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## COMMON NOTES FOR THE YEAR.

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Epact...    ...    ...    18	Dominical Letter    ...    ...    DC
Solar Cycle    ...    ...    13	Julian Period    ...    ...    6593

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## ECLIPSES.

SUN.—Total eclipse, January 12, but partial only in Queensland, and only visible in the Gulf of Carpentaria. Annular eclipse, July 7, invisible in Queensland. Partial eclipse, December 2, invisible in Queensland. Partial eclipse, December 31, the Greenwich time of which is January 1, 1881: this eclipse is also invisible in Queensland.

MOON.—Total eclipse, June 22-23, visible in Queensland. First contact with shadow, 22nd day, 10h. 26m. p.m. Middle of eclipse, 23rd day, 0h. 2m. a.m. Last contact with shadow, 1h. 37m. a.m. Magnitude of eclipse (moon's diameter = 1), 1.063. Total eclipse, December 17, visible in Queensland. First contact with shadow on the 16th, at 11h. 56m. p.m. Total phase, on the 17th, 1h. 6m. a.m. Middle of eclipse, 1h. 50m. a.m. Last contact with shadow, 3h. 45m. a.m. Magnitude of eclipse (Moon's diameter = 1), 1.390.

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The age of the moon is 0 at new moon, about 7 at the first quarter, 14 at full moon, and 21 at the last quarter. It may vary a little on certain lunations, but this is sufficiently near for common purposes.

## PHASES OF THE MOON.

	D.	H.	M.
Last Quarter	5	5	0 p.m.
New Moon	12	8	31 a.m.
First Qr.	19	4	52 p.m.
Full Moon	27	8	24 p.m.
Perigee	10	11	a.m.
Apogee	22	6	a.m.

## CONVEYANCES—SOUTHERN DISTRICT.

Brisbane to Sandgate daily (Sundays excepted), 9.45 a.m. and 4 p.m.; Sundays, 9 a.m.; fare, 3s. Sandgate to Brisbane, daily (Sundays excepted), 7.45 a.m. and 4 p.m.; Sundays, 4 p.m.; 2s. Brisbane to Beenleigh, daily (Sundays excepted), 6 a.m.; 5s. Brisbane to Pimpama (8s.) and Nerang Creek (15s.) Tuesdays, Thursdays, and Saturdays at 6 a.m. Beenleigh to Brisbane (Sundays excepted), 12 noon (5s.), M., W., and F.; on Tu., Th., and Sat. at 10. Nerang Creek (15s.) and Pimpama to Brisbane (8s.), leave Nerang Creek 7 a.m., Pimpama, 10 a.m., M., W., and F.

Day of Year.	Date.	Day.	SUN Rises Sets.
			H. M. M. H.
1	1	Th	5 13 6 54
2	2	F	5 13 6 54
3	3	S	5 14 6 55
4	4	S	6 14 6 55
5	5	M	5 15 6 55
6	6	Tu	5 16 6 56
7	7	W	5 17 6 56
8	8	Th	5 17 6 56
9	9	F	5 18 6 56
10	10	S	5 19 6 56
11	11	S	5 20 6 56
12	12	M	5 21 6 56
13	13	Tu	5 22 6 56
14	14	W	5 23 6 56
15	15	Th	5 24 6 56
16	16	F	5 24 6 55
17	17	S	5 25 6 55
18	18	S	5 26 6 55
19	19	M	5 27 6 55
20	20	Tu	5 28 6 55
21	21	W	5 29 6 54
22	22	Th	5 30 6 54
23	23	F	5 30 6 54
24	24	S	5 31 6 53
25	25	S	5 31 6 53
26	26	M	5 32 6 53
27	27	Tu	5 33 6 52
28	28	W	5 34 6 52
29	29	Th	5 35 6 51
30	30	F	5 36 6 51
31	31	S	5 36 6 50

## MEMORANDA AND DIARY.

*New Year's Day.* Holiday.  
Governor Blackall died, 1871.  
Queensland electorates proclaimed, 1860.  
*Second Sunday after Christmas.*  
*Epiphany.*  
Heavy gales on coast, 1879.  
Mr. R. Jarrott, Indooroopilly, died, 1879.  
Mr. R. Travis, Maryborough, died, 1879.  
*First Sunday after Epiphany.*  
First Circuit Court held at Townsville, 1875.  
First transport reached Botany Bay, 1788.  
Eighth parliament opened, 1879.  
Sir John Moore died, 1809.  
Queensland Insur. Co. dividend,  $7\frac{1}{2}$  per cent., 1879.  
*Second Sunday after Epiphany.*  
Sturt's expedition returned, 1846.  
Union Bank dividend, 16 per cent., 1879.  
M'Ilwraith ministry gazetted, 1879.  
Commercial Bank dividend, 25 per cent., 1879.  
Queensland National Bank dividend, 10 per cent.  
Great hail storm at Ipswich, 1878.  
*Septuagesima.*  
First settlement New South Wales, 1788.  
Capitulation of Paris, 1871.  
Victoria Cross instituted, 1856.  
Charles I. beheaded, 1649.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	First Lesson.	Second Lesson.	First Lesson.	Second Lesson.
II. aft. Christmas	Isaiah xlii. ...	Matt. iv. 1-23 ...	Isaiah xlii. ...	Acts iii.
I. aft. Epiphany	Isaiah li. ...	Matt. vii. 1-7 ...	Is. lii. 13. and liii.	Acts vii. 35, viii 5
II. aft. Epiphany	Isaiah lv. ...	Matthew xi. ...	Isaiah lvii. ...	Acts xi.
Septuagesima	Gen. i., & ii. 1-4	Rev. xxi. 1-9	Genesis ii. 4	Rev. xxi. 9, xxii. 6

## PHASES OF THE MOON.

	D.	H.	M.
Last Qr.....	4	1	50 a.m.
New Moon.....	10	9	29 p.m.
First Qr.....	18	1	57 p.m.
Full Moon.....	26	11	32 a.m.
Perigee.....	7	8	a.m.
Apogee.....	19	3	a.m.

## CONVEYANCES—SOUTHERN DISTRICT.

Brisbane to Cleveland: Coach leaves Dexter's, Queen-street, Tuesdays, Thursdays, and Saturdays, 1 p.m.; returns Monday, 6 a.m., and Wednesdays and Fridays, 1 p.m.; fare 3s.; box, 4s. Kerr's Mail Coach to Cleveland, from M'Leod's, Queen-street, daily, 1.30 p.m.; returns daily, 10 a.m.; fare, 4s. Brisbane to Beaudesert, via Cooper's Plains, Brown's Plains, and Logan Bridge: Leaves Graham's Brisbane Bridge Hotel, South Brisbane, Wednesdays and Saturdays, 6.30 a.m. Beaudesert to Brisbane, Mondays and Fridays, 6.30 a.m.

Day of Year.	Date.	Day.	SUN	
			Rises.	Sets.
			H. M.	H. M.
32	1	S	5 36	6 50
33	2	M	5 37	6 50
34	3	Tu	5 38	6 49
35	4	W	5 39	6 49
36	5	Th	5 40	6 49
37	6	F	5 41	6 48
38	7	S	5 41	6 47
39	8	S	5 42	6 46
40	9	M	5 43	6 45
41	10	Tu	5 44	6 44
42	11	W	5 45	6 43
43	12	Th	5 46	6 43
44	13	F	5 46	6 42
45	14	S	5 47	6 41
46	15	S	5 48	6 40
47	16	M	5 48	6 40
48	17	Tu	5 49	6 39
49	18	W	5 50	6 38
50	19	Th	5 50	6 38
51	20	F	5 51	6 37
52	21	S	5 51	6 36
53	22	S	5 52	6 35
54	23	M	5 52	6 34
55	24	Tu	5 53	6 33
56	25	W	5 54	6 32
57	26	Th	5 55	6 31
58	27	F	5 56	6 31
59	28	S	5 56	6 30
60	29	S	5 56	6 30

## MEMORANDA AND DIARY.

*Sexagesima.*  
Singapore, wrecked on L Island, 1877.  
George Cruikshank died, 1878.  
Black Thursday, Victoria, 1851.  
First Supreme Court at Ipswich, 1860.  
Pope Pius IX. died, 1878.  
*Quinquagesima.*  
Canada ceded to England, 1763.  
*Shrove Tuesday.*  
*Ash Wednesday.*  
Gold discovered by Hargreaves, N.S.W., 1851.  
Ipswich water works opened, 1879.  
*St. Valentine.*  
*First Sunday in Lent.*  
Hon. C. Lilley sworn as assistant judge, 1874.  
Mr. H. Scott, master of titles, died, 1879.  
Martin Luther died, 1546.  
Thomas Fowell Buxton died, 1845.  
Great storm at Cooktown, 1877.  
Gladstone proclaimed a municipality, 1863.  
*Second Sunday in Lent.* Sir Geo. Bowen left [Victoria, 1879.  
*St. Mathias.*  
Capt. Cook's statue was unveiled at Sydney, 1879.  
3½ ins. rain fell in one week at Townsville, 1877.  
Marquis of Normanby landed at Melbourne, 1879.  
Bishop Tufnell left Brisbane, 1874.  
*Third Sunday in Lent.*

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	First Lesson.	Second Lesson.	First Lesson.	Second Lesson.
Sexagesima...	Genesis li.	Mat. xxvi. to 31	Genesis vi.	Romans i.
Quinquagesima...	Genesis ix. 20 ...	Mark i. to 21 ...	Genesis xii.	Romans vii.
I. in Lent	Gen. xix. 12-30	Mark v. 21 ...	Gen. xxii. to 20	Romans xi. 25
II. in Lent	Gen. xxvii. to 41	Mark ix. 2-30	Genesis xxviii.	1 Cor. i. 26-ii.
III. in Lent	Genesis xxxvii	Mark xii. 35-xlii.	Genesis xxxix	1 Cor. viii.



## MARCH, 31 Days.

## PHASES OF THE MOON.

	D.	H.	M.
Last Qr. ...	4	9	18 a.m.
New Moon...	11	10	58 a.m.
First Qr. ...	19	10	48 a.m.
Full Moon...	26	11	35 p.m.
Perigee ...	3	4	a.m.
Apogee ...	17	11	p.m.
Perigee ...	29	7	p.m.

## CONVEYANCES—CENTRAL DISTRICT.

Brisbane to Gympie, Wednesdays and Saturdays, 5.30 a.m., 45s. Gympie to Brisbane, Wednesdays and Saturdays, 6 a.m., 45s. Gympie to Maryborough, Mondays, Wednesdays, and Fridays, 6 a.m., 30s. Maryborough to Gympie, Tuesdays, Thursdays, and Saturdays, 6 a.m., 30s. Noosa, per steamer Cuigoa, constantly, fares 30s. and 17s. 6d.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
61	1	M	5	57	6	30	<i>St. David.</i>
62	2	Tu	5	57	6	29	John Wesley died, 1791.
63	3	W	5	58	6	27	Ipswich proclaimed a municipality, 1860.
64	4	Th	5	58	6	26	John Timbs (antiquary) died, 1875.
65	5	F	5	59	6	25	"Uncle Tom" received by the Queen, 1877.
66	6	S	5	59	6	24	First newspaper published in Australia, 1803.
67	7	S	6	06	6	23	<i>Fourth Sunday in Lent.</i>
68	8	M	6	06	6	22	Greatest rainfall on record, 9.65 in 24 hours.
69	9	Tu	6	16	6	20	Royal Institution founded, 1799.
70	10	W	6	16	6	19	New Law Courts, Brisbane, opened, 1879.
71	11	Th	6	26	6	18	<i>Sovereign</i> , s., wrecked at Moreton Island, 1847.
72	12	F	6	36	6	17	<i>Macgregor</i> , s., wrecked on Clarence River, 1875.
73	13	S	6	46	6	16	Duke of Connaught married, 1879.
74	14	S	6	56	6	14	<i>Fifth Sunday in Lent.</i>
75	15	M	6	56	6	13	Girls' Grammar School, Brisbane, opened, 1875.
76	16	Tu	6	66	6	12	<i>Queenslander</i> Trans-continental Expedition arrived
77	17	W	6	66	6	11	<i>St. Patrick.</i> [at Port Darwin, 1879.
78	18	Th	6	76	6	10	Suez Canal completed, 1869.
79	19	F	6	76	6	9	Sir H. Robinson left New South Wales, 1879.
80	20	S	6	86	6	8	<i>Sun enters Aries.</i> Autumn commences.
81	21	S	6	86	6	7	<i>Palm Sunday.</i>
82	22	M	6	96	6	6	Emperor of Germany born, 1797.
83	23	Tu	6	96	6	5	Sir Maurice O'Connell died, 1879.
84	24	W	6	96	6	4	
85	25	Th	6	106	6	4	
86	26	F	6	106	6	3	<i>Good Friday.</i>
87	27	S	6	116	6	2	England and Russia declared war, 1854.
88	28	S	6	116	6	1	<i>Easter Day.</i>
89	29	M	6	125	59		Rev. John Mosely (Ipswich) died, 1879.
90	30	Tu	6	125	57		
91	31	W	6	135	56		First steamer launched in Sydney, 1831.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
IV. in Lent ...	Genesis xlii. ...	Luke i. 1-26 ...	Genesis xlii. ...	1 Cor. xiv. 1-20
V. in Lent ...	Exodus iii. ...	Luke iv. 16 ...	Exod. v. or vi. 1-14	2 Cor. ii. 11 & iii.
Next bef. Easter	Exodus ix. ...	Matthew xxvi. ...	Exodus 10 ...	Luke xix. 28
Good Friday ...	Genesis xlii. 1-20	John xviii. ...	Isaiah lii. 13 & liii.	1 Peter ii. ...
Easter Day ...	Exodus xii. 1-29	Pev. i. 10-19 ...	Exodus xii. 29.	John xx. 11-19

PHASES OF THE MOON.

	D.	H.	M.
Last Qr.....	2	4	24 p.m.
New Moon....	10	1	19 a.m.
First Qr.....	18	5	26 a.m.
Full Moon....	25	9	2 a.m.
Apogee.....	14	5	p.m.
Perigee.....	26	8	p.m.

CONVEYANCES—CENTRAL DISTRICT.

Emerald Downs to Clermont and Copperfield, Sundays and Wednesdays, at 6 a.m. Copperfield and Clermont to Emerald Downs, Tuesdays and Fridays, 6 a.m. Emerald Downs to Springsure, Sundays and Wednesdays, 5 a.m. Springsure to Emerald Downs, Mondays and Thursdays, 5 a.m. Springsure to Tambo, 110s., and Blackall, 170s., Thursdays, 6 a.m. Blackall to Tambo, 50s., and Springsure, 170s., Fridays, 8 a.m. Copperfield to Aramac, 110s., Thursday, 5 a.m. Aramac to Copperfield, 110s., Mondays, 6 a.m.

Day of Year.	Date.	Day.	SUN	
			Rises.	Sets.
			H.	M. H. M.
92	1	Th	6 14	5 54
93	2	F	6 15	5 53
94	3	S	6 15	5 53
95	4	S	6 16	5 52
96	5	M	6 16	5 52
97	6	Tu	6 17	5 50
98	7	W	6 17	5 50
99	8	Th	6 18	5 48
100	9	F	6 18	5 47
101	10	S	6 18	5 46
102	11	S	6 19	5 44
103	12	M	6 19	5 43
104	13	Th	6 20	5 43
105	14	W	6 20	5 41
106	15	Th	6 21	5 40
107	16	F	6 21	5 39
108	17	S	6 21	5 37
109	18	S	6 22	5 36
110	19	M	6 22	5 35
111	20	Tu	6 23	5 34
112	21	W	6 23	5 33
113	22	Th	6 24	5 33
114	23	F	6 24	5 32
115	24	S	6 25	5 32
116	25	S	6 25	5 31
117	26	M	6 26	5 30
118	27	Tu	6 26	5 30
119	28	W	6 27	5 29
120	29	Th	6 27	5 28
121	30	F	6 28	5 27

MEMORANDA AND DIARY.

Second French exhibition opened, 1867.  
 Richard Cobden died, 1865.  
 Sir John Ross died, 1862.  
*First Sunday after Easter.*  
 Cooktown proclaimed a municipality, 1876.  
 First Circuit Court at Rockhampton, 1863.  
 Hon. J. P. Bell appointed president L. Council, '79.  
 Bank New South Wales established, 1817.  
 Second Maori war commenced, 1860.  
 First Queensland telegram sent, 1861.  
*Second Sunday after Easter.*  
 Port Denison settlement founded, 1861.  
 Magdala taken, 1868.  
 President Lincoln assassinated, 1865.  
 Brisbane Supreme Court opened, 1857.  
 Melbourne founded, 1837.  
 Benj. Franklin died, 1790.  
*Third Sunday after Easter.*  
*Fiery Star* burnt at sea, 1860.  
 O'Farrell executed at Sydney, 1863.  
 Shakespeare died, 1615.  
*St. George.*  
 Parliament opened, 1878.  
*Fourth Sunday after Easter.*  
 Railway deviation at Ipswich opened, 1875.  
 First election of Queensland Parliament, 1860.  
 Mutiny of the *Bounty*, 1789.  
 Dr. Lardner died, 1859.  
 Admiral Fitzroy died, 1865.

PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	First Lesson.	Second Lesson.	First Lesson.	Second Lesson.
I. after Easter ...	Num. xvi. to 36	1 Cor. xv. 1-29 ...	Num. xvi. 36 ...	John xx. 24-30
II. after Easter ...	Num. xx. to 14...	Luke xix. 28 ...	Num. xx 14 xxi 10	Philippians iv
III. after Easter ...	Numbers xxii. ...	Luke xxii. 54 ...	Numbers xxiii...	1 Thes. i.
IV. after Easter ...	Deut. iv. to 23...	John ii. ...	Deut. iv. 23-41 ...	2 Thes. iii.

## PHASES OF THE MOON.

	D.	H.	M.
Last Qr. ...	2	0	4 a.m.
New Moon ...	9	4	28 p.m.
First Qr. ...	17	8	35 p.m.
Full Moon ...	24	4	50 p.m.
Last Qr. ...	31	9	5 a.m.
Apogee ...	12	5	a.m.
Perigee ...	25	4	a.m.

## CONVEYANCES—S. W. DISTRICT.

Maryland to Tenterfield, Sundays, Tuesdays, and Fridays. Tenterfield to Stanthorpe, Maryland, and Warwick, M. W. and Sat., 5 a.m. Warwick to Maryland and Stanthorpe, daily (Sun. excepted), 6.30 a.m., 15s. Stanthorpe to Warwick, daily (Sundays excepted), 1 p.m., 15s. Stanthorpe to Tenterfield, Sun. T. and F., 12 noon, 7s. 9d.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
122	1	S	6	28	5	27	<i>St. Philip and St. James.</i>
123	2	S	6	29	5	25	<i>Fifth Sunday after Easter.</i>
124	3	M	6	30	5	23	Dr. Stanton arrived at Brisbane, 1879.
125	4	Tu	6	31	5	22	Dr. Livingstone died, 1873.
126	5	W	6	31	5	22	Napoleon I. died, 1821.
127	6	Th	6	32	5	21	<i>Ascension Day.</i>
128	7	F	6	32	5	20	Sepoy mutiny commenced, 1857.
129	8	S	6	33	5	19	Douglas Jerrold died, 1857.
130	9	S	6	34	5	19	<i>Sunday after Ascension Day.</i>
131	10	M	6	34	5	18	Battle of Lodi, 1796.
132	11	Tu	6	35	5	18	Sir John Herschell died, 1871.
133	12	W	6	35	5	17	
134	13	Th	6	36	5	17	First daily newspaper published in Brisbane, 1861
135	14	F	6	36	5	16	Mint founded at Sydney, 1855.
136	15	S	6	37	5	16	Dan O'Connell died, 1847.
137	16	S	6	37	5	15	<i>Whitsunday.</i>
138	17	M	6	38	5	14	Masonic Hall, Ipswich, opened, 1876.
139	18	Tu	6	38	5	14	
140	19	W	6	39	5	14	Burra Burra mines discovered, 1844.
141	20	Th	6	40	5	12	Christopher Columbus died, 1506. [land, 1878.
142	21	F	6	40	5	12	First match of cricketers (Australians) in Eng-
143	22	S	6	41	5	11	First Queensland Parliament assembled, 1860.
144	23	S	6	42	5	11	<i>Trinity Sunday.</i>
145	24	M	6	42	5	11	<i>Her Majesty's Birthday.</i> Holiday.
146	25	Tu	6	43	5	10	Warwick proclaimed a municipality, 1861.
147	26	W	6	43	5	10	
148	27	Th	6	44	5	9	John Calvin died, 1564.
149	28	F	6	44	5	9	Earl Russell died, 1878.
150	29	S	6	45	5	9	
151	30	S	6	45	5	8	<i>First Sunday after Trinity.</i>
152	31	M	6	46	5	8	<i>Young Australia</i> wrecked on Moreton Island, 1872.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
Rogation Sunday	Deuteronomy vi.	John vi. 1-22 ...	Deuteronomy ix.	2 Timothy i.
After Ascension...	Deuteron. xxx...	John ix. 1-39 ...	Deuteron. xxxiv.	Philemon.
Whit Sunday	Deut. xvi. 1-18...	Romans viii. 1-18	Isalah xi. ...	Galatians v. 1-16.
Trinity Sunday	Isaiah vi. 1-11 ...	Revelation i. 1-9	Genesis xviii. ...	Ephes. iv. 1-17.
I. after Trinity	Josh. iii. 7—iv 15	John xxi. ...	Josh. v. 13, vi. 21	1 Peter i. 1-22.



## PHASES OF THE MOON.

	D.	H.	M.
New Moon...	8	8	7 a.m.
First Qr.....	16	8	3 a.m.
Full Moon.....	22	11	57 p.m.
Last Qr.....	29	8	9 p.m.
Apogee.....	8	0	noon.
Perigee.....	22	2	p.m.

## CONVEYANCES—WESTERN DISTRICT.

Yeuiba to Roma, Sundays, Tuesdays, and Thursdays; returning alternate days. Yeuiba to Surat and St. George, Sundays; returning from St. George, Tuesdays. Roma to Charleville, Mondays, 6 a.m. Charleville to St. George, Sundays. St. George to Channing, Tuesdays, 5 a.m. Charleville to Roma, Fridays, 6 a.m.; 100s. Dalby and St. George: Moore & Co.'s coaches leave Dalby and St. George every alternate Wednesday; fare, £5. Charleville to Cunnamulla: Coach leaves Charleville, Thursday, 6 a.m.; and Cunnamulla, every Monday, 6 a.m.; fare, £3 10s. each way.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
153	1	Tu	6	47	5	8	Great Fire at Cooktown, 1877.
154	2	W	6	48	5	8	Q. N. Bank opened, 1872
155	3	Th	6	49	5	8	Colony of Queensland proclaimed in London, 1859.
156	4	F	6	49	5	8	Battle of Magenta, 1859.
157	5	S	6	50	5	8	
158	6	S	6	50	5	8	<i>Second Sunday after Trinity.</i>
159	7	M	6	50	5	8	English Reform Bill passed, 1832.
160	8	Tu	6	50	5	8	
161	9	W	6	51	5	8	Charles Dickens died, 1870.
162	10	Th	6	51	5	9	Crystal Palace, Sydenham, opened, 1854.
163	11	F	6	51	5	9	<i>St. Barnabas.</i>
164	12	S	6	52	5	9	Dr. Arnold died, 1842.
165	13	S	6	52	5	9	<i>Third Sunday after Trinity.</i>
166	14	M	6	52	5	9	Railway extension opened to Brisbane, 1875.
167	15	Tu	6	52	5	9	Victoria Bridge, Brisbane, opened, 1874.
168	16	W	6	53	5	9	Dr. Norman Macleod died, 1872.
169	17	Th	6	53	5	9	Great hurricane at Cooktown, 1876.
170	18	F	6	53	5	9	Battle of Waterloo, 1815.
171	19	S	6	53	5	10	Great earthquake at Catania, in Sicily, 1879.
172	20	S	6	54	5	10	<i>Fourth Sunday after Trinity. Accession of Queen</i>
173	21	M	6	54	5	10	<i>Sun enters Cancer. Winter solstice. [Victoria, 1837.</i>
174	22	Tu	6	54	5	10	<i>Moon eclipsed, visible.</i>
175	23	W	6	54	5	10	Tasmania founded, 1803.
176	24	Th	6	54	5	11	Philip Henry died, 1696.
177	25	F	6	55	5	11	Terrific cyclone at Brisbane, 1879.
178	26	S	6	55	5	11	Mr. R. Daintree died, 1878.
179	27	S	6	55	5	11	<i>Fifth Sunday after Trinity.</i>
180	28	M	6	55	5	11	Queen Victoria crowned, 1838.
181	29	Tu	6	55	5	12	St. Mary's Cathedral burnt (Sydney), 1866.
182	30	W	6	55	5	12	Death of Burke and Wills, 1861.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
II. aft. Trinity ...	Judges iv. ....	Acts v. 1-17 ...	Judges v. ....	2 Peter ii.
III. aft. Trinity ...	1 Sam. ii. 1-27 ...	John xxi. 15-23 ...	1 Sam. iii. or iv.	Acts iv. 8-23
IV. aft. Trinity ...	1 Samuel xii. ....	Acts xiii. 1-26 ...	1 Sam. xiii. [1-19	Matthew i. 18
V. aft. Trinity ...	1 Sam. xv. 1-24 ...	Acts xvii. 16 ...	1 Samuel xvi. ...	Matthew vi. 1-19

## PHASES OF THE MOON.

	D. H. M.
New Moon ...	7 11 33 p.m.
First Qr. ...	15 4 27 p.m.
Full Moon ...	22 7 14 a.m.
Last Qr. ...	29 9 52 a.m.
Apogee ...	5 3 p.m.
Perigee ...	20 10 p.m.

## CONVEYANCES—NORTHERN DISTRICT.

Townsville to Charters Towers and Ravenswood, Mondays, Wednesdays, and Saturdays, 9 a.m., 60s. Ravenswood to Charters Towers and Townsville, Mondays, Wednesdays, and Saturdays, 1 p.m., 50s. Charters Towers to Townsville and Ravenswood, Mondays, Wednesdays, and Saturdays, 9 a.m., 60s. Cooktown to Byerstown, Tuesday. Byerstown to Cooktown, Thursday.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H. M. H. M.	
183	1	Th	6 56 5 12	Princess Alice married, 1862, died, Dec. 14, 1878.
184	2	F	6 56 5 12	Sir Robert Peel died, 1850.
185	3	S	6 56 5 13	Telegraph opened to Cooktown, 1876.
186	4	S	6 56 5 13	<i>Sixth Sunday after Trinity.</i> [1876.
187	5	M	6 55 5 13	John Bunyan Memorial Gates opened at Bedford,
188	6	Tu	6 55 5 14	Mr. D. O. Aplin died, 1879.
189	7	W	6 55 5 14	<i>Annular eclipse of Sun.</i>
190	8	Th	6 55 5 14	Edmund Burke died, 1816.
191	9	F	6 54 5 15	Cyprus ceded to Great Britain, 1878.
192	10	S	6 54 5 15	Melbourne University established, 1854.
193	11	S	6 54 5 15	<i>Seventh Sunday after Trinity.</i>
194	12	M	6 54 5 16	<i>Cawarra</i> (s.) foundered on coast, 1866.
195	13	Tu	6 53 5 16	Pope's Infallibility declared at Rome, 1870.
196	14	W	6 53 5 17	Bastille destroyed, 1789.
197	15	Th	6 53 5 17	Gold discovered in Victoria, 1851.
198	16	F	6 53 5 18	First French Revolution, 1789.
199	17	S	6 52 5 19	First issue of <i>Punch</i> , 1841.
200	18	S	6 52 5 19	<i>Eighth Sunday after Trinity.</i> [1878.
201	19	M	6 52 5 20	<i>Queenslander</i> Transcontinental Expedition started,
202	20	Tu	6 51 5 20	Hon. W. H. Walsh resigned Speaker L. A., 1876.
203	21	W	6 51 5 21	Robert Burns died, 1796.
204	22	Th	6 51 5 21	England and Scotland united, 1705.
205	23	F	6 50 5 22	<i>Naval Brigade</i> wrecked off Townsville, 1875.
206	24	S	6 49 5 22	Insurance Companies first established, 1700.
207	25	S	6 49 5 23	<i>Ninth Sunday after Trinity.</i>
208	26	M	6 48 5 24	
209	27	Tu	6 48 5 24	
210	28	W	6 47 5 25	
211	29	Th	6 47 5 25	First overland mail arrived in Australia, 1852.
212	30	F	6 46 5 26	(Charles X) French Revolution declared, 1830.
213	31	S	6 46 5 26	First railway in Queensland opened, 1865.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
VI. after Trinity	2 Samuel i. ...	Acts xxi. 17-37 ...	2 Sam. xii. 1-24...	Matthew x. 1-24.
VII. aft. Trinity	1 Chronicles xxi.	Acts xxvi. ...	1 Chron. xxii. ...	Mt. xiii. 53-xiv 13.
VIII. aft. Trinity	1 Chron. xxix. 9-29	Romans iii. ...	2 Chronicles i. ...	Matt. xviii. 1-21.
IX. after Trinity	1 Kings x. 1-25...	Romans ix. 1-19	1 Kings xi. 1-15	Matt. xxii. 1-15.

## PHASES OF THE MOON.

	D.	H.	M.
New Moon...	6	2	0 p.m.
First Qr. ...	13	10	54 p.m.
Full Moon ...	20	3	30 p.m.
Last Quarter	28	2	26 a.m.
Apogee ...	2	2	a.m.
Perigee ...	17	11	p.m.
Apogee ...	29	7	p.m.

## CONVEYANCES EN ROUTE TO N. S. WALES.

Railway to Warwick. Cobb & Co.'s coaches leave Warwick every Monday, Wednesday, and Saturday, at 5.30 a.m.; making daily stages as follows:—Tenterfield, 71 miles; Glen Innes, 60; Armidale, 60; Tamworth, railway terminus, 70. Coach fare from Warwick to Tamworth, £3 5s.; thence by railway to Newcastle, 134 miles, fares, first class, 37s., second class, 27s. 9d.; and thence by steamer to Sydney, fare, saloon, 7s. 6d., steerage, 3s. The journey from Brisbane to Sydney occupies about seven days.

Day of Year.	Date.	Day.	SUN
			Rises Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
214	1	§	6	45	5	27	<i>Tenth Sunday after Trinity.</i>
215	2	M	6	45	5	28	Mehemet Ali died, 1849.
216	3	Tu	6	44	5	28	<i>Queensland s. sunk by Barrabool s., 1876.</i>
217	4	W	6	44	5	29	Battle of Weissembourg, 1870.
218	5	Th	6	43	5	29	Bishop Bloomfield died, 1857.
219	6	F	6	42	5	29	Third Parliament of Queensland assembled, 1867.
220	7	S	6	41	5	30	Great fire at Cooktown, 1875.
221	8	§	6	40	5	30	<i>Eleventh Sunday after Trinity.</i>
222	9	M	6	39	5	31	First land sale in Brisbane, 1843.
223	10	Tu	6	39	5	31	
224	11	W	6	38	5	32	
225	12	Th	6	37	5	33	Governor the Marquis of Normanby arrived, 1871.
226	13	F	6	35	5	34	Battle of Blenheim, 1704.
227	14	S	6	34	5	34	Ipswich first lighted with gas, 1878.
228	15	§	6	33	5	35	<i>Twelfth Sunday after Trinity.</i>
229	16	M	6	32	5	36	Gas in London, 1807.
230	17	Tu	6	32	5	36	Dr. Lang's application for compensation refused, '76.
231	18	W	6	31	5	37	Acclimatization Society founded, 1862.
232	19	Th	6	30	5	37	<i>Royal George</i> sunk at Spithead, 1782.
233	20	F	6	30	5	38	Rev. Henry Rogers died, 1877.
234	21	S	6	29	5	38	Victoria Bridge, Brisbane, opened free, 1877.
235	22	§	6	28	5	39	<i>Thirteenth Sunday after Trinity.</i>
236	23	M	6	27	5	39	Treaty of Prague, 1866.
237	24	Tu	6	26	5	40	Exhibition receipts, 1879, total, £1,300.
238	25	W	6	25	5	40	David Hume died, 1726.
239	26	Th	6	24	5	41	Hon. T. B. Stephens died, 1877.
240	27	F	6	23	5	41	Third Parliament of Queensland dissolved, 1868.
241	28	S	6	22	5	42	Faraday died, 1867.
242	29	§	6	21	5	42	<i>Fourteenth Sunday after Trinity.</i>
243	30	M	6	20	5	43	Francis Bailey, astronomer, died, 1844.
244	31	Tu	6	19	5	43	John Bunyan died, 1688.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
X. after Trinity	1 Kings xii. ...	Rom. xiv., xv. 1-8	1 Kings xiii. ...	Matt. xxv. 31
XI. after Trinity	1 Kings xviii. ...	1 Cor. iv. 18, v. ...	1 Kings xix, or xxi.	Matthew xxviii.
XII. after Trinity	1 Kings xxii. 1-41	1 Cor. xi. 2-17 ...	2 Kings ii. 16 ...	Mark iv. 35, v. 21
XIII. aft. Trinity	2 Kings v.	1 Cor. xv. 35 ...	2 Kings vi. 24 ...	Mark viii. 10, ix. 2
XIV. aft. Trinity	2 Kings ix.	2 Cor. vi., vii. 1...	2 Kings x. 32 ...	Mark xii. 13-35

## PHASES OF THE MOON.

	D.	H.	M.
New Moon.....	5	3	4 a.m.
First Qr.....	12	4	36 a.m.
Full Moon.....	19	1	40 a.m.
Last Qr.....	26	7	20 p.m.
Perigee.....	13	7	p.m.
Apogee.....	26	3	p.m.

## CONVEYANCE BY STEAMER.

Sydney.—The A.S.N. Co.'s steamer twice a week. Fare: saloon, £4 10s.; steerage, £2; return, £7 10s. The M.S.S. Co.'s steamer once a week. Fares same as A.S.N. Co. Mooloolah.—*Gneering* from Pettigrew's wharf occasionally. Noosa.—*Culgoa* from Campbell's wharf once a week. Fare: saloon, £1 5s.; deck, 17s. 6d. Rockhampton.—The A.S.N. Co.'s steamer, every Tuesday. Fare: saloon, £5; steerage, £2. The M.S.S. Co.'s steamer from Govt. wharf every Friday. Fares same as A.S.N. Co.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.
			H. M. H. M.

## MEMORANDA AND DIARY.

245	1	W	6 18 5 43	East India Company dissolved, 1858.
246	2	Th	6 17 5 43	Napoleon III. surrendered to Prussia, 1870.
247	3	F	6 17 5 44	M. Thiers died, 1877.
248	4	S	6 16 5 44	French Republic declared, 1870.
249	5	S	6 15 5 44	<i>Fifteenth Sunday after Trinity.</i>
250	6	M	6 14 5 44	Brisbane proclaimed a municipality, 1859.
251	7	Tu	6 13 5 45	Education Bill passed, 1875.
252	8	W	6 12 5 45	Port Curtis gold rush, 1858.
253	9	Th	6 10 5 46	<i>Lord Ashley</i> , s., wrecked, 1877.
254	10	F	6 9 5 46	Railway opened from Dalby to Warra, 1877.
255	11	S	6 8 5 46	Panic riots at Brisbane, 1866.
256	12	S	6 6 5 47	<i>Sixteenth Sunday after Trinity.</i>
257	13	M	6 5 5 47	New Jewish Synagogue, Toowoomba, consecrated, [1876.
258	14	Tu	6 3 5 48	Guizot died, 1874.
259	15	W	6 2 5 48	Sir J. R. Brunel died, 1859.
260	16	Th	6 0 5 49	[12th, Cleopatra's needle fixed on b. of Thames, '78.
261	17	F	5 59 5 49	Siege of Gibraltar, 1782.
262	18	S	5 58 5 50	Bishop Philpotts, of Exeter, died, 1869.
263	19	S	5 56 5 50	<i>Seventeenth Sunday after Trinity.</i>
264	20	M	5 55 5 51	Massacre of Bishop Pattison, 1871.
265	21	Tu	5 54 5 52	Sir Walter Scott died, 1832.
266	22	W	5 53 5 52	<i>Sun enters Libra.</i> Spring commences.
267	23	Th	5 52 5 53	Madame Malibran died, 1836.
268	24	F	5 51 5 53	Dean Milman died, 1868.
269	25	S	5 50 5 54	Ipswich Grammar School opened, 1863.
270	26	S	5 49 5 54	<i>Eighteenth Sunday after Trinity.</i>
271	27	M	5 48 5 55	Toowong Institute opened, 1878.
272	28	Tu	5 47 5 55	Strasbourg taken, 1870.
273	29	W	5 45 5 56	Great fire at Townsville, 1877.
274	30	Th	5 44 5 56	Dr. Archer died, 1864.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
XV. aft. Trinity...	2 Kings xviii. ...	2 Cor. xii. 14 xiii. K. xix. or xxxiii. 1-31	Mark xv. 42 xvi.	
XVI. aft. Trinity	2 Chron. xxxvi	Galatians vi. ...	Nch. i. & ii. 1-9	Luke iv. 1-16
XVII. aft. Trinity	Jeremiah v.	Eph. v. 22 vi. 10	Jeremiah xxii. ...	Luke vii. 1-24
XVIII. aft. Trinity	Jeremiah xxxvi.	Colos. i. 21 ii. 8...	Ezekiel ii. ...	Luke x. 1-17



## PHASES OF THE MOON.

	D.	H.	M.
New Moon ...	4	2	55 p.m.
First Qr. ...	11	10	46 a.m.
Full Moon ...	18	2	38 p.m.
Last Qr. ...	26	5	12 p.m.
Perigee ...	8	8	p.m.
Apogee ...	24	11	a.m.

## CONVEYANCE BY STEAMER.

Europe, India, China, and Java *via* Torres Straits: the E. and A. Mail Steamship Co.'s steamer every month; agents, Bright Brothers and Co. Bowen: The A.S.N. Co.'s steamer every Saturday; fare, saloon, £7 10s.; steerage, £3 15s.; return, £13. E. and A. Mail steamer. Bundaberg: The A.S.N. Co.'s steamer every Tuesday. Broad's and: The A.S.N. Co.'s steamer every Tuesday. Maryborough: The A.S.N. Co.'s steamer every Tuesday; fare, saloon, £3; steerage, £1 10s. M.S.S. Co.'s steamer from Government wharf every Friday.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
275	1	F	5	44	5	56	Seventh Queensland Parliament dissolved, 1878.
276	2	S	5	42	5	57	Glasgow Bank stopped payment, 1878.
277	3	S	5	40	5	58	<i>Nineteenth Sunday after Trinity.</i>
278	4	M	5	39	5	59	First English Bible published, 1535.
279	5	Tu	5	38	6	0	Masonic Hall, Charters Towers, opened, 1875.
280	6	W	5	26	6	0	
281	7	Th	5	35	6	1	First Brisbane School of Arts opened, 1851.
282	8	F	5	34	6	1	Great Fire at Chicago, 1871.
283	9	S	5	34	6	2	Eddystone Lighthouse finished, 1759.
284	10	S	5	33	6	3	<i>Twentieth Sunday after Trinity.</i>
285	11	M	5	32	6	3	
286	12	Tu	5	31	6	4	R. Stephenson died, 1859.
287	13	W	5	30	6	4	
288	14	Th	5	29	6	4	Time gun established at Maryborough, 1878.
289	15	F	5	28	6	5	Ridley and Latimer martyred, 1555.
290	16	S	5	27	6	5	British Houses of Parliament burnt, 1834.
291	17	S	5	26	6	6	<i>Twenty-first Sunday after Trinity.</i>
292	18	M	5	24	6	6	Pettigrew's saw mills, Brisbane, burnt, 1874.
293	19	Tu	5	24	6	6	Dean Swift died, 1745.
294	20	W	5	23	6	7	
295	21	Th	5	23	6	7	Battle of Trafalgar 1805.
296	22	F	5	22	6	8	Sir M. Molesworth died, 1855.
297	23	S	5	21	6	9	First telegram between London & Brisbane 1872.
298	24	S	5	20	6	10	<i>Twenty-second Sunday after Trinity.</i>
299	25	M	5	19	6	10	Battle of Balaklava, 1854.
300	26	Tu	5	18	6	11	Wreck of the <i>Royal Charter</i> , 1859.
301	27	W	5	17	6	11	
302	28	Th	5	16	6	12	John Leech died, 1865.
303	29	F	5	16	6	12	
304	30	S	5	14	6	13	King Alfred died, 901.
305	31	S	5	14	6	13	<i>Twenty-third Sunday after Trinity.</i>

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	<i>First Lesson.</i>	<i>Second Lesson.</i>	<i>First Lesson.</i>	<i>Second Lesson.</i>
XIX. aft. Trinity	Ezekiel xiv. ...	1 Thess. iv. ...	Ezekiel xviii. ...	Luke xiv. 1-25.
XX. after Trinity	Ezekiel xxxiv. ...	1 Timothy iii. ...	Ezekiel xxxvii. ...	Lk. xviii. 31-xix. 11
XXI. aft. Trinity	Daniel iii. ...	2 Timothy iii. ...	Daniel iv. ...	Luke xxii. 1-31.
XXII. aft. Trinity	Daniel vi. ...	Heb. ii. & iii. 1-7	Daniel vii. 9 ...	John i. 1-29.
XXIII. aft. Trinity	Hosea xiv. ...	Hebrews x. 1-19	Joel ii. 21 ...	John v. 1-24.

## PHASES OF THE MOON.

	D.	H.	M.
New Moon...	3	12	6 a.m.
First Qr.....	9	6	31 p.m.
Full Moon.....	17	6	51 a.m.
Last Qr.....	25	0	17 p.m.
Perigee.....	5	6	a.m.
Apogee.....	21	5	a.m.

## CONVEYANCE BY STEAMER.

Gladstone.—The A.S.N. Co.'s steamer every Tuesday. Fare: saloon, £4 10s.; steerage, £1 10s. Mackay.—The A.S.N. Co.'s steamer once a fortnight. Fare: saloon, £8; steerage, £4. Cardwell.—The A.S.N. Co.'s steamer every Saturday. Fare: saloon, £12; steerage, £6. Cooktown.—The A.S.N. Co.'s steamer every Saturday. Fare: saloon, £12; steerage, £6.

Day of Year.	Date.	Day.	SUN
			Rises. Sets.

## MEMORANDA AND DIARY.

			H.	M.	H.	M.	
306	1	M	5	13	6	14	<i>All Saints' Day.</i>
307	2	Tu	5	13	6	15	Fire at Ipswich, 1875.
308	3	W	5	12	6	16	<i>Great Eastern</i> , s., launched, 1857.
309	4	Th	5	12	6	16	George Peabody died, 1869.
310	5	F	5	11	6	17	William III. landed in England, 1688.
311	6	S	5	10	6	18	"Israel in Egypt" performed at Exhibition building, '77
312	7	S	5	10	6	18	<i>Twenty-fourth Sunday after Trinity.</i>
313	8	M	5	9	6	19	John Milton died, 1674.
314	9	Tu	5	8	6	20	Prince of Wales' birthday. Holiday.
315	10	W	5	7	6	21	Mr. John Pettigrew, Ipswich, died, 1878.
316	11	Th	5	7	6	21	Dr. Somerville's farewell service, Brisbane, 1877.
317	12	F	5	6	6	22	Governor Normanby left Brisbane, 1874.
318	13	S	5	5	6	23	
319	14	S	5	5	6	24	<i>Twenty-fifth Sunday after Trinity.</i>
320	15	M	5	4	6	25	General election for eighth Parliament commenced.
321	16	Tu	5	4	6	25	[1878.
322	17	W	5	4	6	26	Fourth Queensland Parliament assembled, 1868.
323	18	Th	5	3	6	27	A.S.N. Co.'s seamen struck against Chinese sailors,
324	19	F	5	3	6	28	Very severe thunderstorms, 1877. [1878.
325	20	S	5	2	6	29	Heat 104° in shade, 1878.
326	21	S	5	1	6	30	<i>Twenty-sixth Sunday after Trinity.</i>
327	22	M	5	1	6	31	
328	23	Tu	5	0	6	31	
329	24	W	5	0	6	32	John Knox died, 1572.
330	25	Th	5	1	6	33	Dr. Watts died, 1748.
331	26	F	5	1	6	34	
332	27	S	5	2	6	34	Mr. Jas. Morgan, of Warwick, died, 1878.
333	28	S	5	2	6	35	<i>Advent Sunday.</i>
334	29	M	5	2	6	36	Cardinal Wolsey died, 1530.
335	30	Tu	5	2	6	37	First annual gathering of Brisbane S. S. Union, '73.

## PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	First Lesson.	Second Lesson.	First Lesson.	Second Lesson.
XXIV. aft. Trinity	Eccles. xi. xlii...	James ii. ... ..	Haggai ii. 1-10...	John viii. 1-31
XXV. aft. Trinity	Micah iv. & v. 1-8	James iv. ... ..	Micah vi. ... ..	John ix. 39
XXVI. aft. Trinity	Habbakuk ii. ...	John i. 1-35 ...	Habbakuk iii. ...	John x. 1-21
I. in Advent	Isaiah i. ... ..	John i. 35-43 ...	Isaiah ii. or iv. 2	John xii. 20-42

PHASES OF THE MOON.

	D.	H.	M.
New Moon ...	2	1	8 p.m.
First Qr. ...	9	4	50 a.m.
Full Moon ...	17	1	48 a.m.
Last Qr. ...	25	5	8 a.m.
Perigee...	3	0	noon.
Apogee...	18	3	p.m.

CONVEYANCE BY STEAMER.

Brisbane to Southport: coach, Tuesday, Thursday and Saturday, returning Monday, Wednesday, and Friday; steamer from Campbell's Wharf, Tuesday and Saturday, returning Monday and Thursday. Cleveland, Logan, and Albert and Redland Bay: *Leonie* leaves Commercial Wharf every Wednesday morning; fare, 5s. Caboolture: *Tadorna Radjah* from Pettigrew's wharf every Thursday morning, return every Friday; fare, 6s. Ipswich: steamer *Louisa*; fare, saloon, 4s.; steerage, 2s.

MEMORANDA AND DIARY.

Day of Year.	Date.	Day.	SUN		
			Rises.	Sets.	
			H. M.	H. M.	
336	1	W	5 26	37	Great fire in Brisbane, 1864.
337	2	Th	5 26	38	River Brisbane first explored, 1823.
338	3	F	5 26	39	Belzoni, traveller, died, 1823.
339	4	S	5 26	40	<i>Florence Irving</i> , s., wrecked, 1877.
340	5	S	5 36	40	<i>Second Sunday after Advent.</i>
341	6	M	5 36	41	Mount Perry Copper Mining Co. wound up, 1877.
342	7	Tu	5 36	41	Great storm at Thorgomindah, 1877.
343	8	W	5 36	42	
344	9	Th	5 36	42	
345	10	F	5 36	43	<i>Separation Day.</i> Holiday.
346	11	S	5 36	44	Rev. John West died, 1873.
347	12	S	5 46	44	<i>Third Sunday after Advent.</i>
348	13	M	5 46	45	
349	14	Tu	5 46	45	Princess Alice died, 1878.
350	15	W	5 56	46	Louis Agassiz died, 1873.
351	16	Th	5 56	46	Rev. M. McGavin died, 1874.
352	17	F	5 56	47	Rockhampton first lighted with gas, 1876.
353	18	S	5 56	48	First concert, Musical Union, in Brisbane, 1872.
354	19	S	5 66	48	<i>Fourth Sunday after Advent.</i>
355	20	M	5 66	49	Peak Downs Copper Mine sold for £3,000.
356	21	Tu	5 66	50	<i>St. Thomas.</i> Summer solstice.
357	22	W	5 76	50	
358	23	Th	5 76	51	
359	24	F	5 76	51	Thackeray died, 1863. [sun strokes, &c., 1878.
360	25	S	5 86	52	<i>Christmas Day.</i> Great heat in Rockhampton;
361	26	S	5 86	52	<i>First Sunday after Christmas.</i>
362	27	M	5 96	53	<i>St. John.</i>
363	28	Tu	5 106	53	Ferocious hail storm at Brisbane, 1877.
364	29	W	5 106	53	
365	30	Th	5 116	54	Sea on coast highest on record, 1874.
366	31	F	5 116	54	Peal of Bells, Brisbane, first rung, 1877.

PROPER LESSONS FOR SUNDAYS.

SUNDAYS.	MORNING PRAYER.		EVENING PRAYER.	
	First Lesson.	Second Lesson.	First Lesson.	Second Lesson.
II. in Advent ...	Isaiah v. ...	1 John i. ...	Isaiah xi. 1-11 ...	John xvi. 1-16.
III. in Advent ...	Isaiah xxv. ...	2 John ...	Isaiah xxvi. [23	John xx. 1-19.
IV. in Advent ...	Isaiah xxx. 1-27	John xx. 19-24...	I. xxxii 21 or xxxiii	John xiv. 1-8.
Christmas Day ...	Isaiah ix. 1-8 ...	Luke ii. 1-15 ...	Isaiah vi. 10-17	Titus iii. 4-9.
I. after Christmas	Isaiah xxxv. ...	Revelation xvi.	Isa. xxxviii. 1-40	Revelation xviii.

1 Thursday. New Year's Day. *cool*

2 Friday. *cool*

3 Saturday. *cool*

4 Sunday—Second after Christmas.

5 Monday.

6 Tuesday—Epiphany. *cool*

7 Wednesday. *rather Salty*

8 Thursday. *Salty*

9 Friday. *Rain*

10 Saturday. *R*

11 Sunday—First after Epiphany. *mixed*

12 Monday. *cool*

13 Tuesday.

14 Wednesday. *cool*

15 Thursday. *cool*

16 Friday.

*See notes for the previous*



17 Saturday.

18 Sunday—Second after Epiphany.

~~January 18th~~  
~~January 19th~~  
~~January 20th~~  
~~January 21st~~  
~~January 22nd~~  
~~January 23rd~~  
~~January 24th~~  
~~January 25th~~  
~~January 26th~~  
~~January 27th~~  
~~January 28th~~  
~~January 29th~~  
~~January 30th~~  
~~January 31st~~

19 Monday.

20 Tuesday.

21 Wednesday.

22 Thursday.

23 Friday.

24 Saturday.

25 Sunday—Septuagesima.

26 Monday.

27 Tuesday.

28 Wednesday.

~~January 29th~~  
~~January 30th~~  
~~January 31st~~

29 Thursday.

30 Friday.

31 Saturday.

1 Sunday—Sexagesima.

~~at 10:30 AM. to 12:00 PM.~~

2 Monday.

3 Tuesday.

*nam*

4 Wednesday.

*at*

5 Thursday.

*at*

6 Friday.

*a party*

7 Saturday.

*nam*

8 Sunday—Quinquagesima.

*nam to 1 PM*

9 Monday.

10 Tuesday—Shrove Tuesday.

11 Wednesday—Ash Wednesday.

12 Thursday.

13 Friday.

14 Saturday.

*at*

15 Sunday—First in Lent.

*hot*

16 Monday.

*hot*

17 Tuesday.

*cool*

18 Wednesday.

*rain*

19 Thursday.

*rain partly*

20 Friday.

*rain*

21 Saturday. heavy rain

~~very heavy rain from~~  
~~the north~~

22 Sunday—Second in Lent.

*very heavy rain flats*  
*covered with water,* ~~very heavy rain~~  
~~from the north~~

23 Monday.

*rain partly*

24 Tuesday.

*fine*

25 Wednesday.

*fine sun rising*

26 Thursday.

*fine,* ~~very heavy rain~~  
~~from the north~~

27 Friday.

*sun over Wharfedale*

28 Saturday.

*showery & clear*

29 Sunday—Third in Lent.

*water from river covering*  
*flats beyond railway*  
~~very heavy rain~~  
~~from the north~~

1 Monday—*St. David.*

2 Tuesday.

3 Wednesday.

4 Thursday.

5 Friday.

6 Saturday.

7 Sunday—*Fourth in Lent.*

8 Monday.

9 Tuesday.

10 Wednesday.

11 Thursday.

12 Friday.

13 Saturday.

14 Sunday—*Fifth in Lent.*

15 Monday.

16 Tuesday.

*fine*

~~March 16th Tuesday~~  
~~March 17th Wednesday~~  
~~March 18th Thursday~~  
~~March 19th Friday~~  
~~March 20th Saturday~~  
~~March 21st Sunday~~  
~~March 22nd Monday~~  
~~March 23rd Tuesday~~  
~~March 24th Wednesday~~  
~~March 25th Thursday~~  
~~March 26th Friday~~  
~~March 27th Saturday~~  
~~March 28th Sunday~~  
~~March 29th Monday~~  
~~March 30th Tuesday~~  
~~March 31st Wednesday~~



17 Wednesday—*St. Patrick.*

*fine*

18 Thursday.

*fine*

19 Friday.

20 Saturday.

21 Sunday—*Palm Sunday.*

22 Monday.

23 Tuesday.

24 Wednesday.

25 Thursday.

26 Friday—*Good Friday.*

27 Saturday.

28 Sunday—*Easter Day.*

29 Monday—*Holiday.*

30 Tuesday.

31 Wednesday.

C\*

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1 Thursday.

---

2 Friday.

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3 Saturday.

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4 Sunday—*First after Easter.*

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5 Monday.

---

6 Tuesday.

---

7 Wednesday.

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8 Thursday.

---

9 Friday.

---

10 Saturday.

---

11 Sunday—*Second after Easter.*

---

12 Monday.

---

13 Tuesday.

---

14 Wednesday.

---

15 Thursday.

16 Friday.

17 Saturday.

18 Sunday—Third after Easter. *rain*

19 Monday. *do*

20 Tuesday. *do*

21 Wednesday. *do*

22 Thursday. *do*

23 Friday—St. George's Day. *do*

24 Saturday. *do*

25 Sunday—Fourth after Easter. *do*

26 Monday.

27 Tuesday. ~~27 Tuesday. *do*~~

28 Wednesday.

29 Thursday.

30 Friday.

1 Saturday.

2 Sunday—*Fifth after Easter.*

3 Monday.

4 Tuesday. ~~\_\_\_\_\_~~

5 Wednesday.

6 Thursday—*Ascension Day.*

7 Friday.

8 Saturday.

9 Sunday—*Sunday after Ascension Day.*

10 Monday.

11 Tuesday. ~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

12 Wednesday.

13 Thursday. ~~\_\_\_\_\_~~

14 Friday.

15 Saturday.

16 Sunday—*Whitsunday.*



17 Monday.

18 Tuesday.

19 Wednesday.

20 Thursday.

21 Friday.

22 Saturday.

23 Sunday—*Trinity Sunday*.

24 Monday—*Her Majesty's Birthday—Holiday.*

25 Tuesday.

*Warm*

26 Wednesday.

*29*

27 Thursday.

28 Friday.

~~*[Scribbled out text]*~~

29 Saturday.

30 Sunday—*First after Trinity.*

31 Monday.

*cold*

1 Tuesday.

2 Wednesday.

Colo

3 Thursday.

4 Friday.

5 Saturday.

6 Sunday—*Second after Trinity.*

7 Monday.

8 Tuesday.

9 Wednesday.

10 Thursday.

11 Friday.

12 Saturday.

13 Sunday—*Third after Trinity.*

14 Monday.

15 Tuesday.

16 Wednesday.

17 Thursday.

18 Friday.

19 Saturday.

20 Sunday—*Fourth after Trinity.*

21 Monday.

22 Tuesday.

*frost*

23 Wednesday.

*frost in paddock*

24 Thursday.

25 Friday.

26 Saturday.

27 Sunday—*Fifth after Trinity.*

28 Monday.

29 Tuesday.

*Frost in paddock*

30 Wednesday.

1 Thursday.

*fine*

2 Friday.

*6: 0 2 1 5 " 2 0 0 2 1 1*

3 Saturday.

4 Sunday—*Sixth after Trinity.*

5 Monday.

6 Tuesday.

7 Wednesday.

8 Thursday.

9 Friday.

*rain (second day of Races)*

10 Saturday.

*rain all day*11 Sunday—*Seventh after Trinity.**with state  
rain all day flats covered*

12 Monday.

13 Tuesday.

14 Wednesday.

15 Thursday.

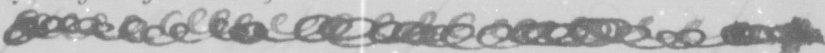
16 Friday.

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17 Saturday.

---

18 Sunday—*Eighth after Trinity.*



---

19 Monday.

---

20 Tuesday.

---

21 Wednesday.

---

22 Thursday.

---

23 Friday.

---

24 Saturday.

---

25 Sunday—*Ninth after Trinity.*

---

26 Monday.

---

27 Tuesday.

---

28 Wednesday.

---

29 Thursday.

---

30 Friday.

---

31 Saturday.



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1 Sunday—*Tenth after Trinity.*

---

2 Monday.

---

3 Tuesday.

---

4 Wednesday.

---

5 Thursday.

---

6 Friday.

---

7 Saturday.

---

8 Sunday—*Eleventh after Trinity.*

---

9 Monday.

---

10 Tuesday.

---

11 Wednesday.

---

12 Thursday.

---

13 Friday.

---

14 Saturday.

---

15 Sunday—*Twelfth after Trinity.*

---

16 Monday.

---

17 Tuesday.

---

18 Wednesday.

---

19 Thursday.

---

20 Friday.

---

21 Saturday.

---

22 Sunday—*Thirteenth after Trinity.*

---

23 Monday.

---

24 Tuesday.

---

25 Wednesday.

---

26 Thursday.

---

27 Friday.

---

28 Saturday.

---

29 Sunday—*Fourteenth after Trinity.*

---

30 Monday.

---

31 Tuesday.

1 Wednesday.

2 Thursday.

3 Friday.

4 Saturday.

5 Sunday—*Fifteenth after Trinity.*

6 Monday.

7 Tuesday.

8 Wednesday.

9 Thursday.

10 Friday.

11 Saturday.

12 Sunday—*Sixteenth after Trinity.*

13 Monday.

14 Tuesday.

15 Wednesday.

*rained all night (with  
thunder) and day*

---

16 Thursday.

---

17 Friday.

---

18 Saturday.

---

19 Sunday—*Seventeenth after Trinity.*

---

20 Monday.

---

21 Tuesday.

---

22 Wednesday.

---

23 Thursday.

---

24 Friday.

---

25 Saturday.

---

26 Sunday—*Eighteenth after Trinity.*

---

27 Monday.

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28 Tuesday.

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29 Wednesday.

---

30 Thursday.

---

1 Friday.

---

2 Saturday.

---

3 Sunday—*Nineteenth after Trinity.*

---

4 Monday.

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5 Tuesday.

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6 Wednesday.

---

7 Thursday.

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8 Friday.

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9 Saturday.

---

10 Sunday—*Twentieth after Trinity.*

---

11 Monday.

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12 Tuesday.

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13 Wednesday.

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14 Thursday.

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15 Friday.

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16 Saturday.

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17 Sunday—*Twenty-first after Trinity.*

---

18 Monday.

---

19 Tuesday.

---

20 Wednesday.

---

21 Thursday.

---

22 Friday.

---

23 Saturday.

---

24 Sunday—*Twenty-second after Trinity.*

---

25 Monday.

---

26 Tuesday.

---

27 Wednesday.

---

28 Thursday.

---

29 Friday.

---

30 Saturday.

---

31 Sunday—*Twenty-third after Trinity.*

---

1 Monday.

---

2 Tuesday.

---

3 Wednesday.

---

4 Thursday.

---

5 Friday.

---

6 Saturday.

---

7 Sunday—*Twenty-fourth after Trinity.*

---

8 Monday.

---

9 Tuesday.

---

10 Wednesday.

---

11 Thursday.

---

12 Friday.

---

13 Saturday.

---

14 Sunday—*Twenty-fifth after Trinity.*

---

15 Monday.

---

16 Tuesday.

---

17 Wednesday.

---

18 Thursday.

---

19 Friday.

---

20 Saturday.

---

21 Sunday—*Twenty-sixth after Trinity.*

---

22 Monday.

---

23 Tuesday.

---

24 Wednesday.

---

25 Thursday.

---

26 Friday.

---

27 Saturday.

---

28 Sunday—*Advent.*

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29 Monday.

---

30 Tuesday.

D\*

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1 Wednesday.

---

2 Thursday.

---

3 Friday.

---

4 Saturday.

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5 Sunday—*Second in Advent.*

---

6 Monday.

---

7 Tuesday.

---

8 Wednesday.

---

9 Thursday.

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10 Friday—*Separation Day.*

---

11 Saturday.

---

12 Sunday—*Third in Advent.*

---

13 Monday.

---

14 Tuesday.

---

15 Wednesday.

---

16 Thursday.

---

17 Friday.

---

18 Saturday.

---

19 Sunday—*Fourth in Advent.*

---

20 Monday.

---

21 Tuesday.

---

22 Wednesday.

---

23 Thursday.

---

24 Friday.

---

25 Saturday—*Christmas Day.*

---

26 Sunday—*First after Christmas.*

---

27 Monday.

---

28 Tuesday.

---

29 Wednesday.

---

30 Thursday.

---

31 Friday.



## TIME OF SUN'S RISING AND SETTING THROUGHOUT THE COLONY.

		JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUG.		SEPT.		OCT.		NOV.		DEC.	
		1 15		1 15		1 15		1 15		1 15		1 15		1 15		1 15		1 15		1 15		1 15		1 15	
		H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.	H.M.
Boolburra, Gladstone, and	{ R	5 19 5	36 5	42 5	51 5	59 6	5 6	12 6	16 6	23 6	30 6	39 6	45 6	47 6	45 6	39 6	30 6	14 6	0 5	45 5	32 5	18 5	12 5	9 5	10
Springsure, 24° ...	{ S	6 47 6	48 6	43 6	37 6	25 6	13 5	57 5	44 5	31 5	22 5	17 5	15 5	19 5	25 5	33 5	38 5	46 5	50 5	55 5	0 6	10 6	18 6	29 6	40
Bowen, 20° ...	{ R	5 28 5	37 5	48 5	55 6	2 6	6 6	10 6	14 6	19 6	26 6	32 6	36 6	39 6	38 6	33 6	25 6	12 6	0 5	46 5	34 5	23 5	17 5	19 5	19
	{ S	6 40 6	41 6	40 6	33 6	22 6	12 5	58 5	46 5	35 5	26 5	24 5	24 5	27 5	32 5	39 5	43 5	48 5	52 5	54 5	58 6	5 6	13 6	22 6	31
Bundaberg and Tambo, 25°	{ R	5 18 5	28 5	41 5	50 5	58 6	5 6	12 6	18 6	26 6	33 6	41 6	46 6	49 6	47 6	41 6	31 6	15 6	1 5	44 5	31 5	17 5	10 5	7 5	9
	{ S	6 50 6	50 6	47 6	38 6	46 6	13 5	56 5	42 5	28 5	21 5	15 5	14 5	17 5	23 5	31 5	37 5	45 5	49 5	56 6	1 6	11 6	20 6	31 6	41
Cardwell, 18½° ...	{ R	5 32 5	40 5	51 5	57 6	3 6	6 6	9 6	12 6	17 6	21 6	28 6	32 6	35 6	34 6	30 6	23 6	10 6	0 5	46 5	36 5	25 5	21 5	20 5	23
	{ S	6 36 6	38 6	37 6	31 6	21 6	12 5	59 5	48 5	37 5	31 5	28 5	28 5	31 5	36 5	42 5	45 5	50 5	52 5	56 5	56 6	3 6	9 6	18 6	27
Charleville, Roma, and	{ R	5 15 5	25 5	39 5	49 5	58 6	5 6	12 6	19 6	28 6	33 6	44 6	49 6	52 6	49 6	43 6	33 6	17 6	2 5	44 5	30 5	15 5	8 5	5 5	6
Gympie, 26½° ...	{ S	6 53 6	53 6	49 6	39 6	26 6	13 5	56 5	41 5	26 5	19 5	12 5	11 5	14 5	21 5	29 5	35 5	43 5	50 5	56 6	2 6	13 6	22 6	33 6	44
Clermont, 22½° ...	{ R	5 23 5	32 5	45 5	53 6	0 6	4 6	11 6	15 6	23 6	27 6	37 6	40 6	43 6	42 6	37 6	28 6	14 6	1 5	45 5	32 5	20 5	14 5	12 5	15
	{ S	6 45 6	46 6	43 6	35 6	24 6	12 5	57 5	45 5	31 5	25 5	19 5	20 5	23 5	28 5	35 5	40 5	46 5	51 5	55 6	0 6	8 6	16 6	26 6	35
Cooktown, 15½° ...	{ R	5 37 5	44 5	54 6	0 6	4 6	7 6	9 6	11 6	14 6	17 6	23 6	27 6	30 6	29 6	27 6	19 6	9 5	57 5	47 5	37 5	25 5	24 5	24 5	28
	{ S	6 31 6	34 6	32 6	28 6	20 6	11 5	59 5	49 5	40 5	35 5	32 5	33 5	36 5	41 5	45 5	49 5	51 5	53 5	55 5	55 6	6 6	14 6	24 6	33
Cape York, 10½° ...	{ R	5 46 5	53 6	0 6	5 6	7 6	7 6	7 6	9 6	10 6	14 6	18 6	21 6	22 6	19 6	14 6	6 5	58 5	48 5	40 5	33 5	31 5	33 5	33 5	38
	{ S	6 22 6	25 6	27 6	23 6	17 6	11 6	1 5	54 5	45 5	42 5	42 5	45 5	48 5	53 5	54 5	54 5	54 5	52 5	52 5	55 5	59 6	5 6	12	
Gayndah, Taroom, and	{ R	5 18 5	27 5	40 5	49 5	57 6	5 6	13 6	18 6	28 6	33 6	42 6	47 6	50 6	47 6	44 6	32 6	16 6	2 5	44 5	30 5	16 5	9 5	8 5	8
Maryborough, 25½° ...	{ S	6 50 6	51 6	48 6	39 6	27 6	13 5	57 5	40 5	28 5	20 5	14 5	13 5	16 5	23 5	29 5	38 5	44 5	50 5	56 6	2 6	12 6	21 6	31 6	42
Mackay, 21½° ...	{ R	5 25 5	34 5	46 5	54 6	0 6	6 6	11 6	15 6	22 6	26 6	35 6	39 6	42 6	40 6	36 6	26 6	13 6	1 5	45 5	33 5	22 5	15 5	14 5	16
	{ S	6 41 6	44 6	40 6	34 6	24 6	12 5	57 5	45 5	32 5	26 5	21 5	21 5	24 5	30 5	36 5	42 5	47 5	51 5	55 5	59 6	6 6	15 6	24 6	34
Normanton, 17½° ...	{ R	5 32 5	42 5	52 5	58 6	2 6	6 6	9 6	12 6	17 6	20 6	27 6	31 6	34 6	33 6	30 6	22 6	11 6	0 5	46 5	36 5	26 5	21 5	21 5	24
	{ S	6 34 6	36 6	36 6	30 6	22 6	12 5	59 5	48 5	37 5	32 5	29 5	29 5	32 5	37 5	42 5	46 5	49 5	52 5	54 5	56 6	2 6	9 6	17 6	26
Rockhampton, 23½° ...	{ R	5 24 5	30 5	43 5	53 5	59 6	6 6	12 6	16 6	24 6	29 6	37 6	43 6	46 6	43 6	40 6	29 6	14 6	0 5	45 5	31 5	19 5	12 5	11 5	12
	{ S	6 46 6	47 6	43 6	35 6	25 6	12 5	56 5	44 5	30 5	23 5	18 5	17 5	22 5	27 5	34 5	39 5	46 5	52 5	55 6	1 6	9 6	18 6	27 6	38
St. Lawrence, 22½° ...	{ R	5 24 5	32 5	45 5	54 6	0 6	5 6	11 6	15 6	23 6	27 6	37 6	40 6	43 6	42 6	37 6	27 6	14 6	2 5	44 5	32 5	20 5	14 5	12 5	15
	{ S	6 44 6	46 6	41 6	34 6	24 6	13 5	57 5	45 5	31 5	25 5	19 5	20 5	23 5	28 5	35 5	41 5	46 5	50 5	56 6	0 6	7 6	16 6	26 6	35
Townsville and Gilberton,	{ R	5 29 5	38 5	49 5	58 6	2 6	6 6	11 6	13 6	18 6	23 6	31 6	34 6	37 6	36 6	33 6	24 6	12 6	1 5	46 5	35 5	24 5	18 5	18 5	21
19½° ...	{ S	6 38 6	39 6	39 6	32 6	22 6	12 5	57 5	47 5	36 5	29 5	26 5	26 5	29 5	36 5	40 5	44 5	48 5	51 5	55 5	57 6	4 6	12 6	20 6	29

For any other place, take the same table as the town in the same latitude as that place.

# SUN'S DECLINATION.

Date.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.
1	s 22 58	s 16 58	s 7 25	N 4 41	N 15 11	N 22 6	N 23 6	N 17 56	N 8 9	s 3 19	s 14 33	s 21 53
2	22 53	16 41	7 2	5 4	15 29	22 14	23 1	17 41	7 47	3 43	14 52	22 1
3	22 47	16 23	6 39	5 27	15 47	22 22	22 57	17 25	7 25	4 6	15 11	22 10
4	22 41	16 5	6 16	5 50	16 4	22 29	22 51	17 9	7 3	4 29	15 30	22 18
5	22 34	15 47	5 53	6 13	16 21	22 35	22 46	16 53	6 41	4 52	15 48	22 26
6	22 27	15 29	5 30	6 36	16 38	22 42	22 40	16 37	6 19	5 15	16 6	22 33
7	22 19	15 10	5 6	6 58	16 55	22 48	22 34	16 20	5 56	5 38	16 24	22 40
8	22 11	14 51	4 43	7 21	17 11	22 53	22 27	16 3	5 33	6 1	16 41	22 46
9	22 3	14 32	4 19	7 43	17 27	22 58	22 20	15 46	5 11	6 24	16 59	22 52
10	21 54	14 12	3 56	8 5	17 43	23 3	22 12	15 28	4 48	6 47	17 16	22 58
11	21 44	13 52	3 32	8 27	17 58	23 7	22 4	15 10	4 25	7 10	17 32	23 3
12	21 34	13 32	3 9	8 49	18 14	23 11	21 56	14 52	4 2	7 32	17 49	23 7
13	21 24	13 12	2 45	9 11	18 28	23 14	21 47	14 34	3 39	7 55	18 5	23 11
14	21 14	12 52	2 21	9 33	18 43	23 17	21 38	14 16	3 16	8 17	18 20	23 15
15	21 3	12 31	1 58	9 54	18 57	23 20	21 29	13 57	2 53	8 39	18 36	23 18
16	20 51	12 10	1 34	10 15	19 11	23 22	21 19	13 38	2 30	9 1	18 51	23 21
17	20 39	11 49	1 10	10 36	19 25	23 24	21 9	13 19	2 7	9 23	19 5	23 23
18	20 27	11 28	0 47	10 57	19 38	23 25	20 58	12 59	1 43	9 45	19 20	23 25
19	20 14	11 7	s 0 23	11 18	19 51	23 26	20 48	12 40	1 20	10 7	19 34	23 26
20	20 1	10 45	N 0 0	11 39	20 3	23 27	20 36	12 20	0 57	10 29	19 47	23 27
21	19 48	10 24	0 24	11 59	20 16	23 27	20 25	12 0	0 34	10 50	20 1	23 27
22	19 34	10 2	0 47	12 19	20 27	23 27	20 13	11 40	N 0 10	11 11	20 14	23 27
23	19 20	9 40	1 11	12 39	20 39	23 26	20 1	11 20	s 0 12	11 32	20 26	23 26
24	19 6	9 18	1 34	12 59	20 50	23 25	19 48	10 59	0 36	11 53	20 38	23 25
25	18 51	8 55	1 58	13 19	21 1	23 23	19 35	10 39	0 59	12 14	20 50	23 24
26	18 36	8 33	2 22	13 33	21 11	23 21	19 22	10 18	1 22	12 34	21 2	23 22
27	18 20	8 10	2 45	13 57	22 22	23 19	19 9	9 57	1 46	12 55	21 13	23 19
28	18 5	7 48	3 8	14 16	22 31	23 16	18 55	9 35	2 9	13 15	21 23	23 16
29	17 48	...	3 32	14 35	22 41	23 13	18 41	9 14	2 33	13 35	21 33	23 13
30	17 32	...	3 55	14 53	22 50	23 10	18 26	8 53	2 56	13 55	21 43	23 9
31	17 15	...	4 18	...	22 58	...	18 11	8 31	...	14 14	...	23 4

SUN'S DECLINATION.

## HIGH WATER ON BAR, MORETON BAY.

*(At Brisbane one hour later.)*

DATE.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Morning	Aftern.	Morning	Aftern.	Morning	Aftern.	Morning	Aftern.	Morning	Aftern.	Morning	Aftern.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	0 26	0 46	1 16	1 40	0 50	1 10	1 52	2 12	2 0	2 22	3 22	3 46
2	1 6	1 26	2 4	2 26	1 30	1 52	2 34	2 56	2 44	3 6	4 10	4 34
3	1 48	2 10	2 46	3 4	2 14	2 36	3 16	3 40	3 30	3 54	4 56	5 20
4	2 30	2 52	3 24	3 46	2 56	3 18	4 4	4 30	4 18	4 40	5 44	6 8
5	3 14	3 36	4 8	4 30	3 42	4 6	4 56	5 24	5 6	5 32	6 32	7 0
6	3 58	4 20	4 52	5 12	4 30	4 56	5 52	6 20	6 0	6 34	7 28	7 56
7	4 44	5 8	5 46	6 16	5 24	5 54	6 50	7 20	7 10	7 40	8 26	8 56
8	5 36	6 6	6 46	7 20	6 22	6 52	7 50	8 12	8 10	8 40	9 24	9 50
9	6 36	7 8	7 50	8 20	7 20	7 50	8 46	9 16	9 12	9 44	10 12	10 34
10	7 40	8 12	8 54	9 30	8 30	9 0	9 40	10 4	10 8	10 32	10 58	11 18
11	8 42	9 12	10 4	10 32	9 28	9 56	10 26	10 50	10 54	11 14	11 40	0 2
12	9 40	10 4	11 0	11 28	10 22	10 48	11 20	11 30	11 34	11 54	0 24	0 46
13	10 28	10 52	11 48	0 8	11 12	11 32	11 48	0 10	0 6	0 28	1 8	1 30
14	11 16	11 40	0 28	0 48	11 50	0 10	0 30	0 52	0 50	1 12	1 52	2 12
15	0 4	0 26	1 8	1 28	0 30	0 50	1 12	1 32	1 34	1 56	2 32	2 52
16	0 48	1 10	1 48	2 8	1 10	1 32	1 50	2 10	2 18	2 40	3 14	3 36
17	1 32	1 54	2 28	2 50	1 54	2 14	2 32	2 54	3 0	3 22	4 0	4 26
18	2 18	2 40	3 10	3 30	2 34	2 54	3 14	3 36	3 44	4 6	4 54	5 24
19	3 2	3 24	3 52	4 12	3 16	3 40	4 0	4 24	4 30	4 56	5 54	6 22
20	3 50	4 16	4 34	4 53	4 4	4 30	4 48	5 14	5 20	5 44	6 50	7 20
21	4 40	5 4	5 24	5 52	4 56	5 24	5 42	6 10	6 14	6 46	7 52	8 24
22	5 28	5 52	6 16	6 42	5 50	6 16	6 40	7 10	7 16	7 50	8 56	9 26
23	6 14	6 40	7 10	7 36	6 40	7 6	7 36	8 6	8 20	8 52	9 54	10 22
24	7 4	7 28	8 2	8 28	7 36	8 6	8 34	9 0	9 20	9 54	10 48	11 14
25	7 52	8 16	8 54	9 18	8 34	9 0	9 28	9 56	10 8	10 30	11 40	0 6
26	8 40	9 4	9 42	10 6	9 26	9 54	10 20	10 44	10 52	11 14	0 30	0 56
27	9 28	9 52	10 30	10 54	10 16	10 40	11 8	11 34	11 36	11 56	1 22	1 50
28	10 16	10 40	11 16	11 40	11 4	11 24	11 56	0 16	0 18	0 40	2 18	2 44
29	11 4	11 28	0 4	0 28	11 45	0 5	0 36	0 56	1 4	1 28	3 10	3 36
30	11 50	0 12	.....	.....	0 25	0 46	1 16	1 36	1 52	2 14	3 58	4 20
31	0 34	0 56	.....	.....	1 8	1 30	.....	.....	2 38	3 0	.....	.....

High Water at Wide Bay bar 1hr. 35min. earlier, at Maryborough 1hr. 55min. later, or as time table for Rockhampton.

## HIGH WATER ON BAR, MORETON BAY.

*(At Brisbane one hour later.)*

DATE.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	4 44	5 6	5 10	5 38	6 10	6 38	6 56	7 24	7 54	8 20	8 30	9 0
2	5 30	5 54	6 2	6 28	7 8	7 36	7 52	8 20	8 48	9 16	9 30	10 2
3	6 16	6 40	6 56	7 24	8 6	8 36	8 48	9 16	9 44	10 12	10 26	10 52
4	7 4	7 28	7 48	8 24	9 6	9 34	9 42	10 6	10 40	11 4	11 16	11 31
5	7 52	8 20	8 48	9 14	10 0	10 26	10 28	10 50	11 26	11 50	11 52	0 16
6	8 44	9 8	9 40	10 6	10 50	11 14	11 14	11 36	0 22	0 52	0 40	1 4
7	9 32	9 56	10 30	10 54	11 36	0 2	0 0	0 22	1 20	1 44	1 24	1 48
8	10 20	10 42	11 6	11 28	0 26	0 50	0 42	1 2	2 8	2 32	2 12	2 36
9	11 4	11 22	11 50	0 12	1 14	1 38	1 22	1 42	2 56	3 20	2 58	3 20
10	11 44	0 4	0 32	0 52	2 4	2 28	2 4	2 26	3 44	4 8	3 42	4 6
11	0 20	0 40	1 12	1 32	2 54	3 16	2 48	3 12	4 32	4 56	4 24	4 48
12	1 0	1 20	1 54	2 16	3 38	4 0	3 36	4 0	5 24	5 44	5 12	5 36
13	1 40	2 0	2 48	3 10	4 22	4 44	4 24	4 50	6 0	6 22	6 0	6 24
14	2 20	2 40	3 36	4 4	5 8	5 34	5 18	5 44	6 48	7 14	6 50	7 16
15	3 0	3 20	4 28	4 52	6 0	6 28	6 10	6 36	7 40	8 6	7 46	8 16
16	3 42	4 4	5 16	5 40	6 56	7 24	7 4	7 32	8 32	9 0	8 42	9 10
17	4 28	4 54	6 8	6 38	7 54	8 22	7 59	8 26	9 30	9 59	9 36	10 5
18	5 20	5 48	7 10	7 40	8 52	9 20	8 52	9 20	10 21	10 42	10 27	10 49
19	6 16	6 50	8 6	8 40	9 48	10 16	9 50	10 18	11 0	11 20	11 11	11 32
20	7 18	7 44	9 12	9 42	10 38	11 0	10 44	11 10	11 42	0 3	11 54	0 14
21	8 12	8 42	10 4	10 26	11 22	11 42	11 36	0 0	0 24	0 46	0 34	0 54
22	9 10	9 40	10 50	11 12	0 4	0 26	0 22	0 44	1 6	1 28	1 10	1 30
23	10 4	10 28	11 34	11 56	0 48	1 10	1 4	1 24	1 50	2 12	1 50	2 10
24	10 48	11 10	0 16	0 40	1 32	1 54	1 44	2 4	2 34	2 54	2 26	2 46
25	11 30	11 50	1 0	1 20	2 14	2 36	2 24	2 44	3 16	3 33	3 4	3 24
26	0 10	0 30	1 46	2 0	2 58	3 20	3 6	3 28	3 57	4 21	3 48	4 12
27	0 54	1 20	2 22	2 44	3 42	4 4	3 50	4 12	4 54	5 18	4 36	5 0
28	1 44	2 10	3 6	3 28	4 28	4 52	4 34	4 56	5 50	6 20	5 24	5 48
29	2 36	3 2	3 50	4 12	5 18	5 42	5 18	5 40	6 46	7 10	6 12	6 36
30	3 30	3 54	4 35	4 56	6 6	6 30	6 6	6 32	7 34	8 0	7 0	7 26
31	4 20	4 45	5 20	5 44	.....	.....	7 0	7 28	.....	.....	7 54	8 20

High Water at Wide Bay bar 1h. 35m. earlier; at Maryborough 1h. 55m. later, or as time table for Rockhampton.



## HIGH WATER AT ROCKHAMPTON.

*(Upper Flats 40 minutes earlier.)*

DATE.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	2 26	2 40	3 11	3 35	2 45	3 5	3 47	4 7	3 55	4 17	5 17	5 41
2	3 1	3 20	3 59	4 21	3 25	3 47	4 29	4 51	4 39	5 1	6 5	6 29
3	3 42	4 5	4 41	4 59	4 9	4 31	5 11	5 35	5 25	5 49	6 51	7 15
4	4 24	4 46	5 19	5 41	4 51	5 13	5 59	6 25	6 13	6 35	7 39	8 3
5	5 9	5 30	6 3	6 25	5 37	6 1	6 51	7 19	7 1	7 27	8 27	8 55
6	5 52	6 15	6 47	7 7	6 25	6 51	7 47	8 15	7 55	8 29	9 23	9 51
7	6 38	7 3	7 41	8 11	7 19	7 49	8 45	9 15	9 5	9 35	10 21	10 51
8	7 30	8 1	8 41	9 15	8 17	8 47	9 45	10 7	10 5	10 35	11 19	12 45
9	8 30	9 3	9 45	10 15	9 15	9 45	10 41	11 11	11 7	11 39	0 9	0 29
10	9 34	10 7	10 49	11 25	10 25	10 55	11 35	11 59	0 3	0 27	0 51	1 15
11	10 36	11 7	11 59	0 27	11 23	11 51	0 21	0 45	0 49	1 9	1 37	1 59
12	11 34	11 59	0 55	1 23	0 17	0 43	1 15	1 25	1 29	1 49	2 20	2 44
13	0 22	0 46	1 48	2 3	1 7	1 27	1 43	2 0	2 1	2 23	3 4	3 27
14	1 11	1 34	2 23	2 43	1 45	2 5	2 25	2 47	2 45	3 7	3 47	4 7
15	1 59	2 20	3 3	3 23	2 25	2 45	3 7	3 27	3 29	3 51	4 27	4 47
16	2 42	3 5	3 43	4 3	3 5	3 27	3 45	4 0	4 13	4 35	5 10	5 34
17	3 26	3 48	4 23	4 45	3 49	4 9	4 27	4 49	4 55	5 17	5 55	6 21
18	4 13	4 34	5 5	5 25	4 29	4 49	5 9	5 31	5 39	6 1	6 49	7 19
19	4 57	5 19	5 47	6 7	5 11	5 35	5 55	6 19	6 25	6 51	7 49	8 14
20	5 44	6 11	6 29	6 48	5 59	6 25	6 43	7 9	7 15	7 39	8 44	9 15
21	6 34	6 59	7 19	7 47	6 51	7 19	7 37	8 5	8 9	8 41	9 45	10 15
22	7 22	7 46	8 17	8 46	7 45	8 11	8 35	9 5	9 11	9 46	10 51	11 21
23	8 9	8 34	9 16	9 47	8 35	9 1	9 31	10 1	10 15	10 47	11 49	0 15
24	8 59	9 22	10 20	10 35	9 31	10 1	10 29	10 55	11 15	11 49	0 44	1 9
25	9 46	10 11	10 59	11 25	10 29	10 55	11 23	11 51	0 3	0 25	1 39	2 0
26	10 34	10 59	11 51	0 15	11 21	11 49	0 15	0 39	0 47	1 9	2 30	2 52
27	11 21	11 46	0 39	1 1	0 11	0 35	1 3	1 29	1 31	1 51	3 23	3 47
28	0 11	0 34	1 22	1 43	0 59	1 19	1 51	2 11	2 13	2 35	4 17	4 40
29	0 59	1 22	2 1	2 21	1 40	2 0	2 31	2 51	2 59	3 23	5 7	5 37
30	1 44	2 7	.....	.....	2 20	2 41	3 11	3 31	3 47	4 9	5 55	6 17
31	2 28	2 50	.....	.....	3 3	3 25	.....	.....	4 33	4 55	.....	.....



## HIGH WATER AT ROCKHAMPTON.

(Upper Flats 40 minutes earlier.)

DATE.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Morning	Aftn.	Morning	Aftn.	Morning	Aftn.	Morning	Aftn.	Morning	Aftn.	Morning	Aftn.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	6 39	7 1	7 6	7 33	8 5	8 33	8 51	9 19	9 49	10 15	10 25	10 56
2	7 25	7 49	7 57	8 23	9 3	9 31	9 47	10 15	10 43	11 11	11 25	11 57
3	8 11	8 35	8 51	9 19	10 1	10 31	10 43	11 11	11 39	0 7	0 21	0 47
4	8 59	9 23	9 43	10 19	11 1	11 29	11 37	0 1	0 35	0 59	1 11	1 26
5	9 47	10 15	10 43	11 9	11 56	0 21	0 23	0 45	1 21	1 45	1 47	2 11
6	10 33	11 3	11 35	0 1	0 45	1 9	1 9	1 31	2 16	2 47	2 35	2 59
7	11 27	11 51	0 25	0 49	1 31	1 57	1 56	2 17	3 15	3 39	3 19	3 43
8	0 15	0 37	1 1	1 23	2 21	2 45	2 37	2 57	4 3	4 27	4 7	4 31
9	0 59	1 17	1 45	2 7	3 9	3 33	3 17	3 37	4 51	5 15	4 53	5 15
10	1 39	1 59	2 27	2 47	3 59	4 23	3 59	4 21	5 39	6 3	5 37	6 1
11	2 15	2 35	3 7	3 27	4 49	5 11	4 43	5 7	6 27	6 51	6 19	6 43
12	2 55	3 15	3 49	4 11	5 33	5 56	5 31	5 56	7 19	7 39	7 7	7 31
13	3 35	3 55	4 43	5 5	6 17	6 39	6 19	6 45	7 56	8 17	7 56	8 19
14	4 15	4 35	5 31	5 59	7 3	7 29	7 13	7 39	8 44	9 9	8 45	9 11
15	4 55	5 15	6 23	6 47	7 56	8 23	8 5	8 31	9 35	10 1	9 41	10 11
16	5 38	5 59	7 11	7 35	8 51	9 19	8 59	9 27	10 27	10 56	10 37	11 5
17	6 23	6 49	8 3	8 33	9 49	10 17	9 54	10 21	11 25	11 53	11 31	0 0
18	7 15	7 43	9 5	9 35	10 47	11 15	10 47	11 15	0 16	0 37	0 22	0 44
19	8 11	8 45	10 1	10 35	11 43	0 11	11 45	0 13	0 56	1 15	1 6	1 27
20	9 13	9 39	11 7	11 37	0 33	0 56	0 39	1 5	1 37	1 58	1 49	2 9
21	10 7	10 37	11 59	0 21	1 17	1 37	1 31	1 56	2 19	2 41	2 29	2 49
22	11 5	11 35	0 45	1 7	1 59	2 21	2 16	2 39	3 1	3 23	3 5	3 25
23	11 59	0 23	1 29	1 51	2 43	3 5	2 59	3 19	3 45	4 7	3 45	4 5
24	0 43	1 5	2 11	2 35	3 27	3 49	3 39	3 59	4 29	4 49	4 21	4 41
25	1 25	1 45	2 56	3 15	4 9	4 31	4 19	4 39	5 11	5 28	4 59	5 19
26	2 5	2 25	3 35	3 56	4 53	5 15	5 1	5 23	5 52	6 16	5 43	6 7
27	2 49	3 15	4 17	4 39	5 37	5 59	5 45	6 7	6 49	7 13	6 31	6 56
28	3 39	4 5	5 1	5 22	6 23	6 47	6 29	6 51	7 45	8 15	7 19	7 43
29	4 31	5 7	5 45	6 7	7 13	7 37	7 13	7 35	8 41	9 5	8 8	8 31
30	5 25	5 49	6 30	6 51	8 1	8 25	8 1	8 27	9 29	9 56	8 56	9 21
31	6 15	6 40	7 15	7 39	.....	.....	8 57	9 23	.....	.....	9 49	10 15

## HIGH WATER AT TOWNSVILLE.

(Cooktown, 1 hour and 40 minutes earlier.)

DATE.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	1 1	1 21	1 51	2 15	1 22	1 45	2 27	2 47	2 35	2 57	3 57	4 41
2	1 41	2 1	2 39	3 1	2 5	2 27	3 9	3 31	3 19	3 41	4 45	5 9
3	2 23	2 45	3 21	3 39	2 42	3 11	3 51	4 15	4 5	4 29	5 31	5 55
4	3 5	3 27	3 59	4 21	3 31	3 53	4 39	5 5	4 53	5 15	6 19	6 43
5	3 49	4 11	4 43	5 5	4 17	4 41	5 31	5 59	5 41	6 7	7 7	7 35
6	4 33	4 55	5 27	5 47	5 5	5 31	6 27	6 55	6 35	7 9	8 3	8 31
7	5 19	5 43	6 21	6 51	5 59	6 29	7 25	7 55	7 45	8 15	9 1	9 31
8	6 11	6 41	7 21	7 55	6 57	7 27	8 25	8 47	8 45	9 15	9 59	10 25
9	7 11	7 43	8 25	8 55	7 55	8 25	9 21	9 51	9 47	10 19	10 49	11 9
10	8 15	8 47	9 29	10 5	9 5	9 35	10 15	10 39	10 43	11 7	11 31	11 55
11	9 17	9 47	10 39	11 7	10 3	10 31	11 1	11 25	11 29	11 49	0 17	0 39
12	10 15	10 39	11 35	0 3	10 57	11 23	11 55	0 7	0 9	0 29	1 0	1 24
13	11 3	11 27	0 23	0 43	11 47	0 7	0 23	0 43	0 41	1 3	1 44	2 7
14	11 51	0 15	1 3	1 23	0 25	0 45	1 5	1 27	1 25	1 47	2 27	2 47
15	0 39	1 1	1 43	2 3	1 5	1 25	1 47	2 7	2 9	2 34	3 0	3 30
16	1 23	1 45	2 23	2 43	1 45	2 7	2 25	2 45	2 53	3 15	3 49	4 18
17	2 7	2 29	3 3	3 25	2 29	2 49	3 7	3 29	3 35	3 57	4 35	5 1
18	2 53	3 15	3 45	4 5	3 9	3 29	3 49	4 11	4 19	4 41	5 30	6 0
19	3 37	3 59	4 27	4 47	3 51	4 15	4 35	4 59	5 5	5 31	6 30	7 0
20	4 25	4 51	5 9	5 28	4 39	5 5	5 23	5 49	5 55	6 19	7 27	7 57
21	5 15	5 39	5 59	6 27	5 31	6 0	6 17	6 45	6 49	7 21	8 27	9 0
22	6 3	6 27	6 57	7 29	6 25	6 51	7 15	7 45	7 51	8 25	9 31	10 0
23	6 49	7 15	7 55	8 23	7 15	7 41	8 11	8 41	8 55	9 27	10 29	10 57
24	7 39	8 3	8 51	9 15	8 11	8 41	9 9	9 35	9 55	10 29	11 27	11 49
25	8 27	8 51	9 39	10 5	9 9	9 35	10 2	10 31	10 43	11 5	0 14	0 40
26	9 15	9 39	10 31	10 55	10 1	10 29	10 55	11 19	11 27	12 49	1 5	1 31
27	10 3	10 27	11 19	11 38	10 51	11 15	11 43	0 9	0 11	0 31	1 55	2 27
28	10 51	11 15	0 3	0 24	11 39	11 59	0 31	0 51	0 53	1 15	2 57	3 19
29	11 39	0 3	0 41	0 55	0 20	0 40	1 11	1 30	1 39	2 3	3 45	4 9
30	0 25	0 47	.....	.....	1 0	1 21	1 51	2 11	2 27	2 49	4 35	4 57
31	1 9	1 31	.....	.....	1 43	2 5	.....	.....	3 18	3 35	.....	.....

## HIGH WATER AT TOWNSVILLE.

(Cooktown, 1 hour and 40 minutes earlier.)

DATE.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.	Morning.	Aftern.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	5 19	5 41	5 45	6 13	6 45	7 13	7 31	8 0	8 29	8 55	9 5	9 35
2	6 5	6 29	6 37	7 3	7 43	8 11	8 27	8 55	9 23	9 51	10 5	10 37
3	6 51	7 15	7 31	7 59	8 41	9 11	9 23	9 51	10 19	10 47	11 1	11 27
4	7 39	8 3	8 23	8 59	9 41	10 9	10 17	10 41	11 15	11 39	11 51	0 6
5	8 27	8 55	9 23	9 49	10 35	11 1	11 3	11 25	0 1	0 25	0 27	0 51
6	9 19	9 43	10 15	10 41	11 25	11 49	11 49	0 11	0 57	1 27	1 15	1 39
7	10 7	10 31	11 5	11 29	0 11	0 37	0 35	0 57	1 55	2 19	1 59	2 23
8	10 55	11 17	11 41	0 3	1 1	1 25	1 17	1 37	2 43	3 7	2 47	3 11
9	11 39	11 58	0 28	0 47	1 49	2 13	1 57	2 17	3 31	3 55	3 33	3 55
10	0 19	0 39	1 7	1 27	2 39	3 3	2 39	3 1	4 19	4 43	4 18	4 41
11	0 55	1 15	1 47	2 7	3 29	3 51	3 23	3 47	5 7	5 31	4 59	5 23
12	1 35	1 55	2 29	2 51	4 13	4 35	4 11	4 35	5 59	6 19	5 47	6 11
13	2 1	2 35	3 23	3 45	4 57	5 19	4 59	5 25	6 35	6 57	6 35	6 59
14	2 55	3 15	4 11	4 39	5 43	6 9	5 53	6 19	7 23	7 49	7 25	7 51
15	3 35	3 55	5 3	5 27	6 35	7 3	6 45	7 11	8 15	8 41	8 21	8 51
16	4 17	4 39	5 51	6 15	7 31	7 19	7 39	8 5	9 7	9 35	9 17	9 45
17	5 3	5 29	6 43	7 13	8 29	8 57	8 34	9 1	10 5	10 34	10 11	10 40
18	5 55	6 23	7 45	8 16	9 27	9 55	9 27	9 55	10 56	11 17	11 2	11 24
19	6 51	7 25	8 41	9 15	10 23	10 51	10 25	10 53	11 35	11 55	11 46	0 7
20	7 53	8 19	9 47	10 17	11 13	11 35	11 19	11 45	0 17	0 38	0 29	0 49
21	8 47	9 17	10 39	11 1	11 57	0 18	0 11	0 35	0 59	1 21	1 9	1 29
22	9 45	10 15	11 25	11 47	0 39	1 1	0 57	1 19	1 41	2 3	1 45	2 5
23	10 39	11 3	0 9	0 31	1 23	1 45	1 39	1 59	2 25	2 47	2 25	2 45
24	11 23	11 45	0 51	1 15	2 7	2 29	2 19	2 39	3 9	3 29	3 1	3 21
25	0 5	0 25	1 35	1 55	2 49	3 11	2 59	3 19	3 51	4 8	3 39	3 59
26	0 45	1 5	2 15	2 35	3 33	3 55	3 41	4 3	4 32	4 56	4 23	4 47
27	1 29	1 55	2 57	3 19	4 17	4 39	4 25	4 47	5 29	5 53	5 11	5 35
28	2 19	2 45	3 41	4 3	5 3	5 27	5 9	5 31	6 25	6 55	5 59	6 23
29	3 11	3 37	4 25	4 47	5 53	6 17	5 53	6 15	7 21	7 45	6 47	7 11
30	4 5	4 29	5 10	5 31	6 41	7 5	6 41	7 7	8 9	8 35	7 35	8 1
31	4 55	5 20	5 55	6 19	.....	.....	7 35	8 3	.....	.....	8 29	8 55

# GARDENING CALENDAR.

Compiled expressly for "THORNE'S" Almanac by MR. WALTER HILL, Colonial Botanist,  
and Director of the Botanic Gardens, Brisbane.

THE time or season recommended in this Calendar for sowing, planting, and other operations, must be modified to some extent, according to climate, moisture, and situation.

In the warmer districts of the north, where the progress of vegetation is much more rapid and the summer is at least a month earlier than in the southern portions of the colony, nearly all garden and field operations may be performed considerably sooner. In a more temperate climate, such as that of the Darling Downs, it may be necessary to defer these somewhat, and in still colder and later districts, such as the neighbourhood of Stanthorpe, further allowance will require to be made. Whilst the southern part of this colony possesses a climate suitable to the cultivation of most of the European fruits, vegetables, and cereals, as well as many of those of warmer countries, the northern portion, more especially the rich lands of the Mulgrave, Mossman, Daintree and Johnstone Rivers, are admirably adapted for the successful production of cloves, nutmeg, cinnamon, pepper, allspice, the mangosteen, bread fruit, durian, sago, gutta-percha, caoutchouc, cocoa, catechu, cocoanut and other tropical products. In the middle and southern districts, and in all the more temperate parts of Queensland, tea, coffee, alligator pear, and jaca tree, mango, cherimoya, Chinese date plum, Brazilian cherry, and many of the richest productions of the East and West Indies and South America may now be considered established amongst us, and the different varieties of the yam, sweet potatoe, &c., afford a substitute for the vegetables of colder climates; for although the fruit, grain, and vegetables of Europe may be grown in many parts of Queensland—even within the tropics—still their cultivation cannot be expected to be more than partial; but in the climate of Stanthorpe many varieties of the hardier European fruits, such as the apple, gooseberry, strawberry, and others which hitherto have not been very successfully cultivated in the southern coast district, will find a congenial *habitat*, and, no doubt, become permanently established.

## JANUARY.

[*January in Queensland corresponds to July in Great Britain.*]

**Kitchen Garden.**—Endeavour to do all sowing and transplanting immediately after rain, and whilst the ground is in a mellow state. Small sowings may be made of turnips, carrots, celery, cauliflowers, Brussels sprouts, cabbage, spinach, &c. Should the weather prove favourable, plant out savoys, cabbages, cauliflower, &c., selecting only the strongest plants, as the slender and weakly ones will not repay the trouble. Earth up and top advancing crops of broad beans, and thin previous sowings of carrots, turnips, spinach, &c. Plant out celery in trenches, which should be made about twelve or sixteen inches wide, twelve inches in depth, and four feet apart; the topsoil should be turned alternately on either side, as this will be required in the after culture of the plant for earthing up. Six or seven inches of good rotten dung should be laid in the bottom of the trench and dug in, or if the subsoil is bad, lay a few inches of rich vegetable compost over the dung. Lift the plants, carefully preserving a ball of earth at the root of each, and cut off the straggling leaves and side off-sets. Plant in a row along the centre of each trench seven or eight inches apart. Planting is best performed in the evening.

and a plentiful watering supplied, and this should be frequently repeated if the weather proves dry. Look over cucumbers, melons, &c., for the purpose of stopping and thinning out shoots. Hoe, stir, and water advancing crops, and in many instances liquid manure will be found serviceable. Gather various articles for pickling, and cut herbs, when in flower, for drying. Pull savory and marjoram. Herbs should always be cut for the purpose of drying when they are in their highest state of perfection, nearly of full growth and coming into flower, and some when in full flower, as lavender, marigolds, and camomile, for their flowers only. Cut in dry weather, and spread or hang up in a dry place, out of the reach of the sun, that they may dry gently.

*Fruit Garden.*—Loosen with a fork the ground among fruit-bearing trees. Examine vines, and regulate and remove all useless shoots; thin superabundant fruit upon orange trees. Some of the superfluous and ill-placed shoots may still be removed from peaches, plums, &c. Oranges, lemons, peaches, and all kinds of fruit trees may now be budded.

*Flower Garden.*—Continue to regulate carefully the growth of climbers, but avoid tying them too close, and allow them to grow according to their natural habit as much as circumstances will admit. Examine dahlias, etc., and see that the early ties do not pinch; loosen them if they do, or the wind will easily break them at that point. Stake and tie all tall-growing plants, and cut back pelargoniums that have done flowering. Beds of verbenas, petunias, and pelargoniums should be kept free from weeds, and if freely supplied with water in dry weather, will flower much better. Sow annuals for autumn decorations in vacant places. Propagate carnations and pinks, by layering, and choose dry weather, as the shoots are less liable to be broken. Those who require large blooms must now attend to disbudding, leaving one two, or three, according to the strength of the plant. Roses may now be bedded, and cut off all decaying flowers and flower stems, and destroy insects. Pot plants must be well shaded, and should be freely watered twice a day.

*Field.*—Break up land for wheat; sow barley for green crop; plant maize not later than the middle of the month for a winter crop, in rows four to five feet apart, according to the nature of the soil, and three feet distant in the row. Dig up the early crop of potatoes if not already done, and those intended for seed should be exposed to the atmosphere a few days before being stored away. Persevere in keeping down weeds in cotton and sugar plantations, and for this purpose the cultivator should be kept going as long as the crop will admit of it. Ginger may be taken up when young, for preserving purposes only. Tobacco will now ripen, and should be gathered. It should be cut close to the ground with a knife, and allowed to lie upon the ground, when it is cut, for a time to get perfectly sunned or wilted.

## FEBRUARY.

[February in Queensland corresponds to August in Great Britain.]

*Kitchen Garden.*—The practice of keeping the ground loose and open about growing crops is very advantageous to them, more especially in stiff soils, as it materially assists both the absorption and evaporation of moisture. Small sowings of a few vegetables may be made, such as cabbage, brocoli, turnips, carrots, onions, leeks, and salads. Thin out spinach, sown last month, to about six inches apart, and turnips to double that distance. Plant out Brussels sprouts. Do not forget to earth up advancing crops of celery, and plant out for succession. Continue to gather cucumbers and various articles for pickling. Escalots should now be taken up, as soon as the leaves begin to decay.



Prepare all spare ground for future crops, always bearing in mind that upon next month's operations the winter supply of vegetables depends. Dig in all failing crops as they become unprofitable, as all vegetable refuse will help to enrich the soil. Cucumbers and melons must be frequently thinned and stopped. In earthing up celery let it be done in dry weather, and when the plants are also dry; lay the earth lightly to the plants, taking care not to break down the leaves, and also not to bury the hearts of the plants.

*Fruit Garden.*—Oranges, peaches, &c., which were too tender to be budded last month, may now be subjected to that operation, but it should not be deferred later than this month. Any trees that have been previously budded and failed, may be worked again. Go over the stocks that were budded last month, and let all the bandages be loosened. During dry weather gather and store any kinds of fruit that ripen.

*Flower Garden.*—The beauty of a flower garden may be greatly enhanced by a judicious arrangement of plants and contrast of colours; and the trouble of occasionally noting any improvements that may be made, in contrasting the colours of dahlias, verbenas, &c., so as to produce a better effect another season, will be well repaid. Many of the finest plants are now in perfection; and, by observing them in different situations, an idea may be formed of how they may be placed to the best advantage. Tie up chrysanthemums and other tall-growing plants; remove all decaying flowering stems, and keep walks and borders neat. Where strong branching annual flowers produce rambling shoots near the ground, they should be trimmed up close to the stem, several inches upward from the bottom. This will cause them to form handsome and regular heads, and to show themselves to greater advantage than if the branches were permitted to spread near the ground. Brompton and giant stocks may be planted where they are intended to flower. Bulbs that have flowered and oxalis may be taken up and stored in a suitable place till the proper season for planting them. Save seeds of any desirable kinds of annual and other plants.

*Field.*—The different kinds of sorghum should be cut as they arrive at maturity, and the seed preserved in an airy building. Green provender for the stable or stockyard during the winter months is to be provided by sowing Cape barley, lucerne, oats, &c. Tares and vetches should be sown for the same purpose, and, in order to support the weak stems of the vetches, they may be mixed with a bushel of rye seed to every two bushels of tares. The potatoe seed prepared last month should now be planted.

### MARCH.

[*March* in Queensland corresponds to *September* in Great Britain.]

*Kitchen Garden.*—This is the best season to ensure a good supply of vegetables for winter use by sowing onions, leeks, peas, turnips, early horn carrots, parsnips, beet-root, cabbages, cauliflowers, savoys, &c. The January sown cabbages will now be ready for transplanting. Prick out these as soon as they are large enough, and earth up those advancing. In preparing ground for these, it will be a good plan to leave it in shallow ridges, eighteen inches or two feet apart, with some manure placed in the hollows in which the plants must be set. A few may also be planted in rows one foot apart, and before they become large enough to crowd one another in winter every alternate one may be drawn for early use. Thin out the plants regularly from the seed-bed, observing to take the strongest first; the smallest may be left in the seed-bed longer to increase in strength. Continue to sow in succession several sorts of small salad seeds, such as mustard, cresses, radish, &c. When a constant supply of these are wanted, there should be some seed

sown once every week or fortnight. Draw flat shallow drills, sow the seeds pretty thick, and cover them about a quarter of an inch; in dry weather they must be watered. Cauliflowers and Brussels sprouts may also be planted out. Draw the best plants only from the seed-bed, rejecting such whose stems are crooked and black, and clear the plants from decaying or damaged leaves. Earth up crops of celery which are planted in trenches, according as they advance in growth, that they may be blanched of a proper length. Trench, manure, and prepare any vacant ground for future use, leaving the surface in a rough state.

*Fruit Garden.*—Trench and prepare ground at least two feet in depth for planting fruit trees, so that the soil may be in a fit state when required. Gather fruit as it becomes ready, and frequently examine any already stored. In the fruit-room see that the shelves show no symptoms of decay or mould about them, otherwise the flavour will be communicated to the fruit. Strawberry beds may now be planted with runners of the present season. If the weather be dry, it will be necessary to water them plentifully. Plant them in rows a foot apart, and the same distance from one another in the rows.

*Flower Garden.*—Now is the best time for planting most kinds of bulbs, such as Narcissus, gladiolus, tritonia, Watsonia, sparaxis, ixia, &c. Patches of showy annuals should now be sown in vacant places, which exist about the edges of clumps and borders. The following are some of the best:—*Browallia elata*, *Clarkia pulchella*, *Collinsia bicolor*, various species of *coreopsis*, and *Gaillardia picta*, globe amaranth, *lupinus Hartwegii*, *phlox Drummondii*, *zinnias*, *nemophilas*, and *gillias*; and herbaceous perennials, such as *phloxes*, *penies*, &c., may be increased by dividing the roots. Roses may now be pruned, and the cuttings planted in a shady place if desired, and the suckers removed. In planting bulbs, plant *gadioli* in light, rich soil; *hyacinths* in deep, rich sandy soil, in sheltered situations; *iris* in rich soil. In pruning roses, cut back to a good eye two or three inches from the origin of the young wood; robust growing kinds should not be pruned so severely as the weaker ones. Strong shoots of such roses as *giant des batailles*, if pegged down on the surface to nearly the full length, will throw out numerous flowering shoots. Carnations and pinks that have been struck from pipings or layers may be planted out as soon as they have rooted.

*Field.*—Lucerne, Italian rye grass, and other artificial grasses may be sown for pasture or hay. The soil must be well prepared; harrow the seed in with a light harrow, and if rolled so much the better. Wheat and oats may now be sown. This is an excellent time to plant a crop of potatoes. Maize should be gathered when ripe, and stored in a perfectly dry and well-ventilated building. Gather cotton as it comes to maturity, and cut and house tobacco when ready.

## APRIL.

[April in Queensland corresponds to October in Great Britain.]

*Kitchen Garden.*—Make sowings of peas, broad beans, cabbages, salading, etc. Be careful to thin crops of turnips, carrots, spinach, lettuce, etc., before they become weakly and drawn through standing too closely together. Celery should be earthed up as it advances in height, in order that the plants may be blanched. Before earthing, for which take advantage of dry weather, the ground should be well watered the day previously, and the soil should be broken up fine, and care taken not to allow any soil to get into the heart of the plant. Stir the surface of the soil deeply among growing crops, to admit air to the roots, and keep down weeds. Any spaces of kitchen garden ground which are now vacant should, where required, be dunged and trenched for the reception of future crops. Gather pumpkins, and store in a dry place.

*Fruit Garden.*—New plantations of oranges, loquats, bananas, pine-apples, etc., may now be made, in order that the roots may take hold of the soil before winter, care being taken to shade the orange and loquat trees with boughs, and that they are freely watered should the weather prove dry after planting. Strawberries may still be planted, and the old beds should now be cleared of all runners and have the surface soil stirred about them, and also receive a top dressing of well-rotted manure, which will prove beneficial in promoting strength; and if, in dressing these plants, the main plants were allowed to stand singly and not permitted to straggle all over the bed, the quality of the fruit would be much improved. The importance of the orange tree, whether regarded in a commercial point of view or on account of the sweet fragrance of its beautiful flowers, is now universally admitted to be an essential to every well regulated orchard or homestead where the climate admits of its cultivation. Some of the best species of the citron or orange family thrive remarkably well in Queensland, and require comparatively but little labour in their culture. As in the older countries, the soil most suited to the growth of the orange is a rich chocolate on a dry substratum, and if upon hilly slopes of volcanic origin, so much the better. The success of the orange depends as much upon situation and soil as upon latitude, and hence the difference in productiveness and quality of the fruit of the same variety. The neglect of these conditions, for example, will convert the St. Michael orange, one of the finest flavoured, into a bitter and nauseous fruit. Although there is not much difficulty in finding soil in sheltered situations in nearly all parts of Queensland, still, as a general rule, it would be better in selecting sites for plantations to choose easterly aspects, that being the surest protection from the cold westerly winds. The land should be well turned up, trenched, and left in ridges a few months prior to planting, which operation would be all the better by being attended with a good application of manure. If the sub-soil is cold and wet, the trenching should be from two to two and a-half feet deep; but where the bottom is gravelly or hard, eighteen inches will be sufficient. When the land has a cold, clayey sub-soil, holes for planting should be dug two feet wide by three feet deep, and afterwards filled up to within eighteen inches with stones, brick, rubbish, wood, or any other material that is likely to prevent the roots from striking further down; and if the soil is of inferior quality, a compost should be prepared of virgin soil, mixed with manure and a good dressing of bone dust, for the purpose of filling up the beds. The trees should be planted from fourteen to twenty feet apart, according to the quality and situation of the soil. Stake the trees, in order to prevent them from being blown about; and during the following summer, when the dry weather sets in, mulch round them to a distance of at least three feet radius; keep the ground loosened all the year round, and water thoroughly before the young trees begin to suffer from drought. In pruning, the knife should be freely used, but great care should be observed not to remove the young fruit-bearing shoots, for the young shoot of the previous year will bear during the present. Amongst the varieties which thrive in Queensland may be mentioned the Bahia, Maltese, Sabina, Sileta, St. Michael's, thorny mandarin, Canton mandarin and emperor mandarin, Tangerene, nonpareil, Parramatta, and St. Jago; and as the kinds introduced by the Government of New South Wales are now in the colony and thriving, it is supposed that they will prove something superior to the old kinds. The best variety of the lemons are the Lisbon, pearl, etc., but the mammoth lemon and Bengal citron are the best for preserving. The West Indian lime also thrives admirably, and should be largely cultivated. Fruit trees that have shed their leaves, may be pruned, but not till then. Look carefully

over fruit which has been gathered, as it will require considerable attention the first few weeks; and in gathering, care must be taken to gather every variety at the proper time. The best criterion for knowing when fruit is ready is to seize it gently in the hand and carefully raise it upward; if it comes away freely from the tree, then it may reasonably be supposed to be in the required condition, but on no account gather fruit that requires to be separated with violence, either by breaking the stalk, or taking with it part of the spur upon which it grows. Bruises are sure to produce decay when the fruit is stored, and for this reason great care should be exercised in gathering not to shake it from the tree, but take every fruit singly, handling it as if it were an egg. If these precautions are observed, the fruit will be much improved for keeping.

*Flower Garden.*—The present month is a favourable time for transplanting large-sized evergreens, shrubs, trees, and also herbaceous plants, as they will make fresh roots and be better able to resist the cold dry winds of winter. Plant and clip hedges, and clear them at the bottom. Plants removed this month will require much less attention in watering in spring than if transplanted late in winter. Continue to plant bulbs of various kinds. Proceed with the propagation of various kinds of roses, either by cuttings or layers, and remove suckers from budded plants. Take up dahlias that have done flowering, when they have partially died down; dry the tubers, and stow them away amongst dry earth or sand, in a dry and airy place. Sow or plant out stocks, wall-flowers, and pansies, and cut back pelargoniums, and divide perennials as in last month. Carnations, picotees, etc., may be propagated from pipings or cuttings. Borders and edgings may be made, and every part of the garden should be kept as clean as possible.

*Field.*—This is generally the busiest time for cotton gathering; it should be picked immediately after the pods burst and before being wetted by rain; any damp cotton should be carefully sun-dried before storing. Great loss is frequently sustained by allowing the cotton to remain too long on the plant. Maize and the different kinds of sorghum should be gathered as they ripen, and stored in a dry place. Potatoes will require to be earthen up and kept free from weeds. Sow wheat, oats, and barley, in the early districts.

## MAY.

[May in Queensland corresponds to November in Great Britain.]

*Kitchen Garden.*—Earth up celery, and attend to keeping a succession of turnips, carrots, beet, parsnips, and a supply of salading. Plant out such cabbages as are fit, and hoe and loosen the ground between the rows of cabbages, etc., already planted, which will both kill weeds and vermin and greatly assist the growth of plants. Transplant cardoons, salsafy, scorzonera, skirret, onions, etc. Strawberry beds may still be made. Peas and beans may be sown for early crops. Asparagus beds should be cleaned and dressed by cutting down the stems close to the surface of the ground; clear off all weeds and cover the beds with a good coat of rotten horse dung. Rhubarb beds require a good dressing of manure. Rhubarb may be planted in deeply trenched and well-manured ground; it succeeds best in a rich deep soil, rather light than otherwise; it may be raised from seed, but the mode of propagation generally adopted is by dividing the roots, a bud, of which there are several on the crown, being preserved to each piece. Plant three feet apart, and the rows from three to four feet asunder. The cutting and drying of herbs as they become ready, should be attended to. Continue to prepare all vacant ground by digging and trenching, especially that intended for root crops, and where manured and dunged, let the dung be digged in regularly one spade deep.



*Fruit Garden.*—Look over pine-apples frequently, and gather them as they ripen. Plant orange, loquat, flat China peach, and other varieties of fruit trees, and the planting should be completed by the end of this month. The sooner the trees are planted the sooner will they get to work in their new situations. Be careful that the soil is neither wet nor retentive of water, which no soil intended for fruit trees ought to be. In such cases it should be thoroughly drained before planting. Without this it is useless to look for success in fruit growing. In planting, be careful to keep the roots near the surface, they are sure to find their way deep enough, and, by way of steadying them in the soil, drive a good stout stake. A good rule is to plant them just as deep as they had previously been in the nurseries, which is easily ascertained by observing the collar where the portion that has been under the soil exhibits the bark much smoother and paler than that which was above it; but allowance should be made for the soil subsiding, which it will invariably do. See that the surface is well mulched all round newly planted trees in order to check the radiation of the heat from the soil. Orange trees should be thinned. Pine-apples require a loose rich soil, and should be planted in rows four feet apart each way. Plantations should always be in sheltered localities—that is to say, protected from the cold westerly winds, but still open to the early and continuous sunshine. The following are some of the choicest varieties which thrive remarkably well in this climate, viz.:—Enville, black Jamaica, smooth-leaved Cayenne. Ripley queen, Moscow queen, Montserrat, black prince, Firrsthous seedling, Providence (white), Antigua (brown), and the common queen. Suckers make the best plants, and arrive quicker at maturity. In the dry weather they require a liberal supply of water, and occasionally a considerable dressing of manure. When an overgrowth of suckers takes place, the smaller and inferior ones should be removed. Generally the queen is the most prolific producer, well flavoured, harder, and quicker in coming to maturity than the others; but for winter use the smooth-leaved Cayenne is the next in rank, being a liberal producer during the cold winter months of the year, of very large as well as exquisitely flavored fruit. Fruit trees that have shed may be pruned, but not until then. Look carefully over fruit that has been stored away, as it will require more attention the first few weeks after being gathered than afterwards.

*Flower Garden.*—The camellias are now beginning to flower, and during the next two months will stand unrivalled amongst shrubs for beauty. Any roots of dahlias that still remain in the ground should be taken up. Plants in pots should not have too much water for the next three months. See that chrysanthemums and other tall plants now in flower are well staked and tied. Hyacinths and other bulbs may be planted. Shrubbery and flower borders may receive a fresh dressing of soil and manure where necessary. Attend to roses of all descriptions. Good deep soil, well trenched and manured, is required for rose plants either in garden beds or roseries. Those in pots should be planted out, and the knife should be freely used in pruning many of the best varieties—such, for instance, as the Provence, French, Banksian, &c. Remove superfluous flower buds and thin shoots of perpetuals and China varieties; the last mentioned should also be forked and top-dressed. When grown as large standards, these roses require peculiar pruning. If their shoots are shortened too much they will grow vigorously, but give few flowers. They should, therefore, be thinned out so that the head of the tree is not at all crowded, and then be shortened to within twelve buds of the base; a crop of fine flowers will be the result. The Provence or cabbage roses can be employed either as standards for the lawn or as dwarfs for beds. Standards of



some of the varieties, if grown on stoney, clayey soil, form fine objects of ornament owing to the gracefulness and pendency of their large globular flowers, but, if grown as dwarfs, they will not flourish, unless worked on the dog rose, etc., although in light sandy soils it is advisable to cultivate them on their roots when they will grow very prettily. Every shoot should be shortened to two or three buds, and if this is done judiciously twice, instead of once a year, the period of flowering is prolonged, and the symmetrical beauty of the plant maintained. Nearly all the varieties of the French rose will flourish equally as bushes on their own roots, grafted or budded on short stems, or as standards, but in the latter capacity they are rather too compact to be graceful. Although the varieties of this group are summer roses only, yet their period of flowering may be prolonged by judicious pruning, such as removing superfluous buds to within six or eight buds of the base. The moss roses require much the same treatment as the Provence. In pruning the Banksian or climbing roses, great care should be taken not to shorten the twiggy branches, otherwise they will put forth strong shoots and bloom. If the plant, however, has a superabundance of branches, some of them may be removed altogether.

*Field.*—Cotton gathering must be diligently attended to throughout the month. The third crop of tobacco should now be ready; and the cutting, housing, and curing of this are objects of considerable importance. Ginger and arrowroot will be ready to be taken up in early situations. Oats, wheat, and barley may still be sown in the late districts. Potatoes will require to be earthed up and kept free from weeds. Artificial grasses may still be sown for permanent pasture.

## JUNE.

[June in Queensland corresponds to December in Great Britain.]

*Kitchen Garden.*—Wherever drainage is necessary, the work of cutting drains and trenches should be vigorously proceeded with, when the ground is in a fit state for doing so. In still retentive soils a thorough and efficient system of drainage is of the greatest importance, in very light or sandy soil it is not so generally necessary. Sow peas, beans, carrots, parsnips, spinach, onions, leeks, beet, cabbage, cauliflowers, and lettuce, also parsley and other herbs. Thin and transplant onions sown last month. Plant strawberries, rhubarb, sea-kale, etc., always taking care that the ground has been well worked and manured. Plant a few early potatoes. Earth up celery, when the soil and weather are dry; this crop will require the ground to be well trenched, with a liberal application of manure, and well supplied with water. Trench and manure all spare ground and hoe between growing crops of vegetables, a free use of the hoe at this season being very beneficial to the plants.

*Fruit Garden.*—Proceed with the pruning of vines, and if cuttings are required for future planting they should be prepared by cutting wood of the previous year's growth, about fifteen inches long, leaving a bud always at the bottom; these should be laid in the ground as soon as cut, taking care to keep each sort separate and named. Flat China peaches may also be pruned this month, and all ill-placed boughs should be removed. Clear away all such as cause crowding in the head, which must be kept free and open to admit the sun and air freely. All kinds of fruit trees may be planted, and those already planted attended to and supported where necessary; and strawberry beds may be formed in light rich soil. The varieties recommended are those which have shown themselves most adapted for cultivation in this colony, viz.—*Plums*: Belgian purple, cherry plum, Coe's golden drop, Coe's

little gem, greengage, New Orleans, magnum bonum, yellow nonsuch, yellow gage. July greengage, Jefferson. Dumas noir, etc. *Apricots*: Moor Park, Turkey, large early, Breda, Mansfield seedling, etc. *Cherries*: May duke, early black Guigne, early Lyons, Knight's early black, late black Guigne, St. Margaret. *Nectarines*: Elruge, red Roman, Stanwick, Albert Victor, Newington, etc. *Peaches*: Flat China, early York, George IV., early Albert, Italian red, Kensington, Dr. Hogg, etc. *Quinces*: China, orange, Rea's seedling, common. *Strawberries*: British Queen, eclipse, Frogmore, late pine, Keen's seedling, Trollope's Victoria, cockscomb, Marguerite, Edith, etc.

*Flower Garden*.—As cold nights may now be expected, any choice tender plants liable to injury from frosts should be carefully covered when there is the least appearance of danger. Soft-wooded plants for bedding-out purposes, such as verbenas, petunias, heliotropes, etc., may be propagated, so as to secure a good stock for spring use; also fuchsias, and other florists' plants intended for culture. Choose young tender shoots of all these, about two inches in length, as they will make better plants than larger cuttings. Cuttings of pelargoniums must be taken from well-ripened woods. Dahlia roots should be taken up and stored in a dry cool place, where no damp can reach them. Reverse the roots to allow the moisture to run out of the hollow stem. Grass plots may now be formed, and hedges and border edgings planted, and any alterations with a view to general improvement undertaken.

*Field*.—All artificial grasses for permanent pasture may still be sown. Lucerne, which upon suitable ground is a very profitable crop, and one which no farmer should be without, may be sown in drills twenty inches apart in deep and well-cultivated soil; it will succeed best in rich moist land that is occasionally inundated. The white clover (*trifolium repens*) thrives well here. Crimson clover (*trifolium incarnatum*), Bretagne clover (*trifolium violaceum*), cow grass (*trifolium medium*), and Alsike clover (*trifolium hybridum*), are all suitable for cultivation in suitable localities. Land intended for potatoes should now be ploughed, and in warm situations a few may be planted. Sweet potatoes and yams are now ripe, and should be taken up and stored. Great care will be necessary in digging up the tubers of yams, especially of the West Indian, as they often penetrate the soil to the depth of three feet, and are consequently liable to be injured by being cut and broken during the operation. Ginger and arrowroot may now be taken up.

## JULY.

[July in Queensland corresponds to January in Great Britain.]

*Kitchen Garden*.—Trenching and preparing the ground may be proceeded with as in last month, and the necessity for the liberal use of manures cannot be too strongly urged when really first-class vegetables and fruits are desired. Sow cabbage, savoy, couve tronchuda (or sea-kale cabbage), French beans, parsnips, and also mustard and cress for salading. Cauliflower and lettuce may be sown and transplanted as required. Sow spinach for successional crops, and former sowings of this may be thinned. Onions of previous sowings may also be thinned and transplanted. For onions select a piece of ground in good condition, and if the surface be not previously firm, render it so before sowing by treading or rolling. Sow largely of peas and broad-beans; of the latter the magazan is the most moderate grower, and requires the least room; those sown last month may be earthed up when sufficiently advanced. Sea-kale and rhubarb may be planted in beds that have been deeply trenched and well manured. Asparagus beds may be made, and old beds lightly

forked over. Plant globe and Jerusalem artichokes; the latter prefer a rather strong soil, and being very prolific, a small piece of ground will produce a sufficient quantity.

*Fruit Garden.*—The general pruning and thinning of the peach, nectarine, apple, pear, fig, mulberry, orange, and vines, should be finished. Grafting of the orange, lime, lemon, citron, shaddock, &c., may be proceeded with. Plant fruit trees, as flat China, nutmeg, and double-blossom peaches (the latter is one of the earliest kinds), also, apricot, cherry, guava, apple, pear, almond, and orange. The present month may also be regarded as the best for making new plantations of vines. The soil should be well trenched and loosened; and the careful vigneron will study not to overtax its capabilities by overcrowding, such as planting 2,000 vines to an acre instead of 600 or 800. This evil in our climate prevents the roots from spreading, and evidently causes the plant to die back until it loses all its productive vitality. The vines, moreover, should be thinly trellised, and not, as is too often the case in Queensland, heaped together on a single stake. These two evils, together with the fear of pruning too closely, tend greatly to induce premature old age; and thus vines, that ought to last fifty or even a hundred years, die out in five or ten. In the first year, each plant should be cut down to the lowest, second, or third bud; the second year three shoots should be allowed to grow, one upright and the others horizontal, the latter being reduced to twelve or fourteen inches. The same principle of close-pruning should be observed every succeeding year, care being taken, however, to give prominence to the main shoots or future stems. When the bunches of fruit just begin to show, they should be thinned by nipping off with the finger and thumb, to correspond with the age and strength of the vine, and all other shoots on the stems not required for fruit bearing should be removed until the vines are in bloom. In the winter following the fruit bearing shoots should be pruned to one bud and the summer growth stopped. Experience has proved that the vine will succeed in our poorest soils; but the best, however, is any soil composed in part or whole of volcanic *debris*, mixed with clay, gravel or sand, and a small proportion of vegetable mould resting on a porous substratum. Bone dust is accounted a very good manure during the first year or two of the vine's growth. The following are a few of the varieties that thrive best in this colony, distinguishing the table from the wine-producing grapes. Table varieties:—Black Barbarossa, Belas, Blanco, black Hamburg, Bowood, Muscat, white sweet-water, golden Hamburg, raisin des dames, red Chapelas, Wantage, white Lisbon, white Tokay, Malaga, Muscatel, Terret, Muscat of Alexandria, Frankenthal, Cannon Hall, Muscat, Lady Down's seedling, black, white, and grizzly Frontignacs, black prince, golden champion, Tymingham's Muscat, royal Ascot, royal vineyard, Snow's Muscat, Hamburg, white Portugal, white Hamburg. Wine grapes—Verdelho, Mataro, Grenache, Aucasot, black cluster, Reisling, Pineau Gris, Pedro Ximens, black Damascus, black Hermitage, black St. Peter's, Muscat, Hamburg, Esperione, Morlai, Negro, Oporto, Pineau blanc, Pineau noir, Tinta, Verdor, red Hermitage, Xeres, Folle, Blanch Rulander, &c. These are varieties of *V. vinifera*, but it would be better for us to turn our attention more to the cultivation of the fine varieties of the American species of *vitis*, which are not affected with blight, or only very slightly so, as the well-known Isabella and others, which have been introduced into the colony. The following are a few of the best kinds, and cannot be too highly recommended:—Adirondac, black; Ascott, a good white grape; Carter, black; Clara, yellow; Catawba, red; Cassady, black; Clinton, white; Concord, black; Crevelling,

black; Cunningham, a good wine grape; Delaware, red; Diana, red; Elizabeth, white; Salem, red; Scuppernong, Ontario, Norton's Virginia, Lindley, &c. And also with regard to the apple, although many of the old kinds do well here, it would be as well to plant more largely the American varieties, most of which can be obtained in the colony, for, from the similarity of this climate to that of the Southern States of America, it is most likely they will bear profitably here. Those recommended are—Golden pippin, Newtown pippin, scarlet nonpareil, Reinette du Canada, Warner's king, beauty of Kent, blue pearmain, Mela Carea, Boston russet, early strawberry, maiden blush, summer queen, Kentucky redstreak, Cornish gilliflower, early Julien, Hawthornden, Irish peach, pineapple russet, Blenheim, New York, and ribstone pippins.

*Flower Garden.*—Flower borders and beds may be lightly dug or forked and receive a top dressing; after which see that they are properly stocked with suitable flowering shrubs and perennial herbaceous plants, so that they may present an attractive and gay appearance in the coming spring. Plant roses, and prune such as have not been done previously; a succession of bloom may be secured by pruning the plants, a few at a time, at intervals of ten days or a fortnight. The different varieties of antirrhinum or snapdragon are excellent for bedding purposes, and when grouped with due regard to contrast of colors are very effective. Annuals and biennials of various kinds may be sown, as nemophila, Clarkia, lupinus, cœnothra, mignonette, French and African marigolds, globe, and other amaranths, balsams, coreopsis, Gaillardia, &c. Bulbs, such as amaryllis, alstroemeria, gladiolus, may still be planted. Fuchsias, verbenas, &c., may still be increased from cuttings, and last year's plants of fuchsia may be re-potted and their growth encouraged; a compost of about equal parts of turfy loam, thoroughly decomposed stable manure, and fine white sand will suit. Begonias, achimenes, gloxinias, &c., may be re-potted for early flowering.

*Field.*—Silk culture, which forms one of the most profitable industries in all countries where it can be successfully produced, should be perseveringly tried here, as there can be no doubt from the experience we have already obtained that its establishment amongst us is only a question of time. The suitability of the climate of many parts of the colony cannot be disputed. The different varieties of the white mulberry (*morus alba*), the leaves of which are the best food for the silkworm, may be planted, and will succeed best on dry poor soil, such as is generally found about stoney ridges, which invariably produces silk of a superior quality. The cuttings of trees should be planted far enough apart to allow light and air to circulate freely; about ten feet will be sufficient. Continue to prepare ground for tobacco, maize, and other field crops, and as no plant exhausts the soil more than tobacco, it should not be grown, except on a very rich soil, more than two or three years without being enriched with strong manures. Barley and oats may be sown in late districts.

## AUGUST.

[August in Queensland corresponds to February in Great Britain.]

*Kitchen Garden.*—In making sowings of vegetables of every description care should always be taken to regulate the quantity sown of each according to the supply required. Small and frequent sowings answer best, as by this means a constant succession is provided, and in many cases the loss consequent upon large quantities of vegetables coming to maturity at the same time avoided. The following may be sown—onions, leeks, carrots, and parsnips for main crops; the last should



be sown in narrow drills, fifteen inches apart; drop three or four seeds about eight inches apart, and thin to one plant. This vegetable succeeds best in a rich deep soil, not too stiff, and an open situation; a fine sandy loam is well adapted for its growth. The ground should have been trenched and manured if necessary, some time previously, as the addition of fresh manure just before sowing causes the roots to fork. Scorzonera, red and silver beet, cress, endive, peas, and broad beans may also be sown, but more sparingly than before. Loosen the soil between growing crops and keep it free from weeds by the frequent use of the hoe.

*Fruit Garden.*—All operations in connection with planting fruit trees, as apples, pears, quinces, almonds, peach, apricot, cherry, orange, etc., should be finished. If delayed after this month, much attention will be required in watering, especially if large plants should be removed. Every means should be resorted to during the winter months for destroying the eggs and larvæ of insects that are injurious to the trees during the period when vegetation is most active, and as these always harbor in the bark and its crevices, there is no season of the year when their haunts can be so easily invaded, and the enemy dislodged as now. For this purpose remove all filth and excrescences from the surface of the bark, such as old scales, moss, lichens, with a blunt scraper, such as an old knife or a piece of hoop iron, for it is on these that the pests mainly harbor, then wash the stem and branches well with a mixture of brine and soft soap, applying it with an old painter's brush, and rubbing it well into the crevices. Grafting should be proceeded with according to the order in which the buds break. This is a good time to lay, graft, and make cuttings of the different kinds of diospyrus, several of which are valuable fruits.

*Flower Garden.*—Overgrown herbaceous plants may now be divided, the exterior portions only of the stools should be reserved; continue to plant amaryllis, crinums, gladioli, sparaxis, tigridis and other bulbs. Bulbous plants in general require a light, rich, rather sandy soil, well reduced and made fine by turning. For gladiolus a mixture of sandy loam and leaf mould or peat is the most suitable, and a portion of thoroughly decomposed cow dung may be advantageously incorporated with the soil when it is of a poor nature. Ornamental and flowering shrubs, as rhododendrons, azaleas, laurestinas, daphnœ, magnolias, arbutus, etc., may be transplanted, and also many others adapted to this climate, and very desirable for the beauty and fragrance of their flowers, and of which the following are some of the best:—Poinsettia weigela, various latanias, pyrus Japonica, double blossom peach, Persian lilac, Guelder rose, tecoma velutina, escallonia, poinciana, erythrina lagerstrœmia, clerodendron, bouvardia, datura, gardenia taberœmontana, cestrum, corchorus, and many species of hibiscus. All kinds of plants in pots will require special attention in shifting, watering, and keeping them free from insect pests of all sorts, as future success will greatly depend on their proper management at this season. The fuchsia when well cultivated is one of the loveliest of plants, and possesses the advantage of retaining its blossoms for a great length of time. Old plants of these re-potted last month must be attended to, and a vigorous growth encouraged by frequent shifting into larger pots as required; care must also be taken that the plant never becomes too dry. Cuttings may be potted off as soon as they are rooted.

*Field.*—Plant potatoes and select for the seed the best formed tubers of medium size and cut them lengthway, leaving two or three eyes; a better crop will be obtained from these than from the small whole potatoes which are frequently used for planting; reject tubers with deep indented eyes, as



they are regarded as a sign that the potato is degenerating. Sow sorghum *saccharatum* in seed-beds for planting out; transplant when six inches high, leaving the plants one foot apart. This is an excellent fodder, either green or dried, and will produce five or six cuttings in the season. Maize may be planted, and will also make a good summer crop as fodder, for which purpose it may be planted closer than if intended for grain. Rice may be sown upon low lying moist land in the warmer districts. Hemp may be cultivated for its fibre, and linseed for fibre and oil, which will always command a ready market. The same may be said of the coriander and carraway seeds, together with many others, all of which may be grown with but little trouble. Tobacco seed should be sown this month in beds three feet wide. This is the month for planting cassava—whence the cassava bread of South America and the tapioca of commerce are obtained. The plant is propagated by cuttings from the stem, a foot in length, which may be planted at distances of six feet apart in rows, and generally comes to sufficient maturity in ten or eleven months, to allow of the tuberous roots being used, which are the only parts converted into food; the juice is deadly poison, but is rendered perfectly innocuous by heat, and the bread which is obtained is estimated to yield more nourishment to human beings in the proportion of one acre of cassava to five acres of wheat. There are only two varieties recognised in commerce, viz.:—*Manihot utilisima*, or bitter cassava, and *janipha manihot*, sweet cassava. The former of these, in its natural state, is highly poisonous, whilst the other, although wholly innocuous, is not considered so valuable, and therefore is not so extensively cultivated. The climate is admirably suited to the cultivation of this plant, which is hardy in its nature, and flourishes best in a dry situation and alluvial soil: excessive moisture will rot the roots, and thus wholly frustrate the labors of the cultivator; a little moisture, however, in the early stages is necessary. Complete the manufacture of arrowroot, and if the season is favorable, commence planting.

## SEPTEMBER.

[*September in Queensland corresponds to March in Great Britain.*]

*Kitchen Garden.*—Endeavour to keep this department thoroughly clean and in good order, by taking every opportunity of eradicating weeds, either by hand pullings or frequent hoeings. Weeds help materially to exhaust the soil, and they are much more easily kept under in a climate so favorable to their production as ours, by never being allowed to ripen and shed their seeds. The sowings of onions, leeks, parsnips, carrots, beet, and other roots for main crop should be completed this month. Sow pumpkins, vegetable marrows, cucumbers, and melons; also, tomatoes, capsicums, etc. White maize will afford a vegetable which, when eaten green, will be found equal to peas. Rosella can be sown this month. A succession of radishes may be obtained by sowing at intervals of a fortnight. French beans may be sown in rows three feet apart; and a few turnips, but not more than sufficient for the demand. Transplant cabbage, savoy, leeks, etc., upon favorable occasions. Asparagus and rhubarb should now be ready for use; in gathering the latter for use, the leaf stalks should be bent down and pulled, not cut off. The flower stems, if seed is not required, should be cut off soon after they make their appearance.

*Fruit Garden.*—Be especially careful to destroy caterpillars among vines at this season. Staking and trellising, if not already attended to, should be done at once. As the vines break, rub off the superfluous shoots and tie in young fruiting shoots. See that recently transplanted fruit trees do not suffer

from want of water. Pears and apples may still be grafted, but all grafting should be completed this month. Among the pears most suitable for cultivation will be found the following:—Brown beurre, British queen, Louise bonne, De Jersey, Marie Louise, jargonelle, Flemish beauty, Broom Park, beurre rose, beurre brown, Alexander Bivert, bergamot, autumn, citron des Cailles, Prince Albert, Jean de Witt, Glau Moreceau, etc. Give support to early peach trees. In warm situations, loquats and mulberries ripen this month. Both these very desirable fruits may be cultivated to perfection in this climate. The Japan loquat is well worthy of attention. Strawberry beds should be well watered in dry weather twice a week, and mulched with short grass, in order to prevent the fruit from lying on the ground, and also for the purpose of retaining moisture. This is also a good month for laying the mango, after which the plant should be kept well watered and mulched; this, the finest of all sub-tropical fruits, thrives so well in Queensland, that it cannot be too largely planted, care being taken to give them an eastern aspect, and well sheltered from westerly winds. The following are some of the choicest varieties as yet received:—Alphonse, Strawberry, Dagieng, Dohdohl, Gumpohr, Sangier, Tjengkin, Goa, and Martinique.

*Flower Garden.*—With the advancing season, the flower garden will assume a gayer and more attractive aspect. Azaleas and verbenas will now produce their beautiful flowers in profusion. The verbenas are unrivalled in this climate for bedding purposes, when massed with a due regard to the contrast of colors, and perhaps no other plant presents such a diversity of colors in its different varieties, ranging as they do, from pure white to purple, rose, and brilliant scarlet; it will also flower abundantly during the greater part of the year. Flowering shrubs may still be transplanted, but great care should be taken to remove as much earth as possible with the plant. Layers of camellias, azaleas, magnolias, tea, coffee, etc., may be made. Sow balsams, coxcombs, annual phloxes, and any other kind of annuals, either hardy or tender. This is also a good time to sow German stocks, asters, lobelias, etc. Plant dahlias, but it will be advisable to reserve some to plant in November for late autumn flowering. To cultivate the dahlia to perfection the soil must be enriched by a plentiful supply of the very strongest manure. The various kinds of gladiolus, amaryllis, etc., now begin to bloom, and should be sheltered from boisterous weather.

*Field.*—Plant purple arrowroot (*Canna edulis*) in rows, four feet apart, and two feet between the plants; the white arrowroot (*Maranta arundinacea*), which is not of such strong growth, may be put at a distance of three feet between the rows, and the plants one foot apart; for planting both kinds make use of the small tubers. Cuttings of sweet potatoes may be planted; take them six inches or more in length, and plant on ridges two feet apart, and one foot between the plants. Of sweet potatoes there are three varieties—white, yellow, and red. Yams may also be planted. Several varieties have been introduced; amongst them are the West India (*Dioscorea elata*), the South Sea Island (*D. bulbifera*), the Chinese (*D. Chinensis*), and *D. sativa*, *D. lucida*, *D. aculeata*, *D. pentaphylla*. The first is the strongest growing kind, and should be planted in rows, three feet apart, leaving the same distance between the plants; the other kinds may be planted closer. There is another very good yam indigenous to the northern part of this colony, but its cultivation has not been sufficiently tried as yet. The West Indian variety, supposed to have been originally a native of the East Indies, is by far the most favorable, both on account of its flavor and size; its roots are frequently three feet in length, and weigh about thirty pounds. On the coast of Malabar

and in the Island of Ceylon, it is a common indigenous plant, growing in the woods with great luxuriance. It is extensively cultivated in the tropical parts of the continents of Asia, Africa, and America, and is an excellent substitute for the English potatoe, which it much resembles both in taste and appearance. When dug out of the earth, the roots are put for some time to dry in an airy place, and may afterwards be kept in casks or sand for a long time. The yams are raised either from the cuttings of the roots or from the seed-like bulbs that grow upon the vines. They require a light and deeply worked alluvial soil, with a moderate degree of moisture, and generally come to maturity in six or seven months. They should be planted four feet apart each way. Next to the West Indian, the Chinese variety, although much smaller, is much esteemed on account of its flavour. The okra (*Hibiscus esculentus*), the young pods of which are much used in tropical countries as a vegetable for soup, etc., may be grown by sowing in drills, three feet apart, and afterwards thinning the plants to two feet apart in the drill. The rosella (*Hibiscus sorbifolia*), from the calyx of which excellent jam is made, may be grown by sowing at a distance of five feet apart each way. When sown closer, an excellent fibre is obtained from it, combining softness, strength, and durability. The spring crop of maize must be planted this month, as well as arrowroot, cotton, and tobacco. Hill potatoes, and finish cotton pruning. If the season is favourable, a little sugar cane may be planted towards the end of the month, but next month is the most general time in the southern portion of Queensland.

## OCTOBER.

[October in Queensland corresponds to April in Great Britain.]

*Kitchen Garden.*—As vegetation is now making rapid progress it will be necessary to keep the hoe in constant use for earthing up or thinning the crops and loosening the soil between them. Carrots, parsnips, beet, and all root crops should always be thinned as soon as they are sufficiently forward. Melons, cucumbers, vegetable marrows, pumpkins, squashes, and gourds may be sown and planted out; also celery and tomatoes. Of this fine wholesome vegetable the large new American varieties are the best, some of which often exceed a pound in weight and are much more fleshy than the old kinds. Continue to sow lettuce, radishes, endive, etc., for salads. These should be watered in dry weather, as they will otherwise lose their crispness and flavor. The egg plant may also be sown. It is cultivated for its fruit, which, when properly prepared, is excellent.

*Fruit Garden.*—Vines should be frequently looked over for the purpose of regulating their growth, by thinning and taking out the superfluous shoots, and stopping and shortening others that may require it; the permanent shoots should be tied up as soon as they are long enough, and all lateral shoots taken off from below the fruit, above which they should be stopped back to one or two eyes. Upon the slightest appearance or suspicion of disease (*Oidium Tuckerii*) apply sulphur, either by itself or mixed with finely sifted lime. In most instances, if preventive measures are taken in time, the disease will be effectually checked. The operation of disbudding, which merely consists in rubbing off the superfluous and badly placed young shoots, may be advantageously performed upon peach and other trees where practicable. The result will be a marked improvement in the fruit. In peach trees very gross shoots should be pruned away. If scale appears on the orange trees dress with Gishurst's compound or some other mixture. Plant bananas and pineapples; amongst the former the following varieties will be found

well adapted for profitable cultivation. Cavendish, wise man's banana, Pisang ambon, P. gembon, P. kidang, P. lieli, P. polembang, P. medang, etc. This would be the best season for planting the custard apple, cherimoya, jack fruit, rose apple mango, alligator pear, mangosteen, Chinese date plum, sopadella plum, sweet sop, alligator apple, bread fruit, durian, papaw, litchi, lorgan, and other fine tropical and sub-tropical fruits. These delicious fruits may be as easily cultivated in many parts of the colony as the peach or apricot; the chief point to be attended to is to plant them in good soil that has been well trenched and manured, and if necessary, drained. Strawberries, mulberries, loquats, Cape gooseberries, etc., may be gathered as they ripen.

*Flower Garden.*—Roses will now be in perfection, and may be regarded as one of the chief attractions of the flower garden; they should be frequently looked over for the purpose of destroying the leaf-rolling caterpillar and removing decaying flowers, which if allowed to remain have an untidy appearance. Plant out and stake dahlias, stake and tie up climbers and other plants, where requisite, and water in dry weather anything newly planted. Continue to plant verbenas, pelargoniums, etc. Sow showy annuals, as in last month. Take up bulbs as soon as the leaves are withered, and store them in a dry place, to prevent them rotting or making unseasonable growth. Fuchsias and all pot plants must be well attended to and kept clear from insect pests, many of which will make their appearance this month. A frequent use of the syringe will be of great service for this purpose, and will also assist the growth of the plants.

*Field.*—This, with the latter part of the preceding month, is the best season for planting sugar-cane; the top of the cane, including two or three joints, is generally used for planting, though any portion of the cane having perfect eyes will do equally as well, and is preferred by some persons. The leaves should be cut off previous to planting, and the holes should be eighteen inches square and eight or ten inches deep, and in the rows five feet apart and two or three feet from each other, according to soil and situation. Two or three cuttings may be laid longitudinally in each hole, special care being taken to keep the eyes uppermost. Cover the canes at first not more than one inch, and when the shoots are a few inches in length, draw a little earth about them, and continue to do so at intervals as required, until the hole is filled up. The soil should be very loose, in order to allow the roots to spread with facility, which in their turn collect abundance of moisture for vegetation. To save labour in making holes, the plough is now frequently resorted to when the nature of the land will admit of it. This is done by ploughing one way and then returning the plough along the furrow, thus throwing the earth alternately to the right and left. By this method the banks forming the holes are easily made with the hoe. In planting, the time of rainy weather, if possible, should be chosen. The cane plant comes to maturity in from ten to fifteen months, according to variety, the time of planting, soil, cultivation and season, of course, exercising an effect over it. There are upwards of forty varieties of sugar cane in Queensland. The following is a list of those varieties that up to the present time have been free, or only slightly, and in a few instances, affected by the disease known as "rust," viz.:—Aboe, arjoeno, canteng, cinna, hauer, koeping, sieli, malaman, mura, passaar, passaaroevan, rappoe, rappoe rose, soerat (with the exception of the second mentioned, which is from India, the remainder are Java canes), belonguet, diard diard, rose treolboe, Mauritius canes, and the Chinese variety. Moderately dry lands



with gently undulating surface, produce cane containing the greatest proportion of saccharine matter. The after cultivation of cane consists of keeping the land free from weeds, and the soil between the rows well stirred. When ready for cutting, the skin of the cane becomes dry, smooth, and brittle, the pith grey or brownish, and the juice sweet and glutinous. This is the best season for sowing cotton, indigo, senna, coffee, tea, China grass, and other fibrous plants, more particularly jute, from either *corchorus capsularis* or *C. olitorius*. Of cotton, three or four seeds should be dropped into holes from three to five feet apart, according to the nature of the soil; afterwards thin to a stand of one plant. Where seed is not an object, it is preferable to open a furrow with the plough; strew the seed pretty thickly, and narrow. When the young plants appear, cut them out with a hoe to a stand of about three or four. When the plants have gained a little more strength, select the strongest plant in each stand, and draw the rest by hand, leaving only single plants. The seed is better for being damped, sanded and rolled, before planting. The New Orleans variety has proved to be the best adapted here for cultivation on the more exposed or distant lands from the coast. The Sea Island is a more valuable kind, but a crop cannot be depended upon. It produces well on the more sheltered lands of the seaboard, but the principal draw-back to its cultivation is its extreme liability to damage from rain, which upon the New Orleans variety does not exert such a prejudicial effect. In some localities, after very wet seasons, during which the cotton plant has run to wood at the expense of fibre, it will be found more profitable to sow fresh seeds than to prune the old plants. The most valuable in a commercial sense of the indigo tribe is the East Indian (*indigofera tinctoria*). The seeds should be sown in drills about the breadth of the hoe and two or three inches in depth, the drills being about twelve inches apart. Twelve to fourteen pounds will suffice to sow an acre. It should be sown in moist, warm weather, when, if the soil is smooth, rich, and well tilled, it will shoot above the surface in three or four days. It usually begins to flower in three or four months, when it becomes fit for gathering, and is cut with a sickle a few inches above the roots. The shoots from the old roots form the next crop. In India, in favorable seasons, several cuttings are obtained in the year; but in colder countries not more than two, and frequently only one can be realised. The plant requires a very warm temperature, considerable moisture, and to be reproduced from seed at least every two years. Coffee trees are usually raised from seed, and afterwards planted out at regular distances varying according to the nature of the soil, but generally five feet apart; in soils where they attain the height of ten or twelve feet, the intervals between should be nearly double. The berries grown upon low, rich, moist soils, are the largest, but those grown in drier and more elevated localities are considered to be the best flavored. Generally, however, the trees require considerable moisture, and plenty of warmth, tempered by shade when the sun is most powerful. They frequently commence bearing when about two years old, and the berries are fit to gather when they assume a dark red hue. The most profitable variety is supposed to be the *Arabica*, such as is now growing in the Botanic Gardens. During the past season a new variety, Liberian coffee (*coffea Liberica*), has been introduced. This variety is said not to be as subject as *coffea Arabica* to the attacks of the coffee leaf disease (*Hemilea vastatrix*), which of late years has effected such serious damage to the crop in the island of Ceylon and other coffee producing countries. The tea shrubs, in a similar manner to coffee, are raised from seeds sown in beds and planted out at the end of twelve months in spaces, five feet by four. This plant will grow in either low or elevated situations,



but in China, its native place, it seems to thrive best and furnish leaves of the finest quality in light stoney ground. The leaves are gathered three or four times in the year—the difference of age in the leaf accounting in a great measure for the difference in quality in the manufactured tea. The leaves that are the earliest gathered are of the most delicate color, and possess the most aromatic flavour. The second, third, and fourth gatherings are considered to be inferior in the order in which they are stated. The leaves from young wood are the best, and the more they are plucked the more they will multiply, and thus a succession of crops is produced. Arrowroot, sweet potatoes, and yams may also be planted. The ground nut (*Arachis hypogæa*) is cultivated in Western Africa and other tropical countries for the valuable oil which the seeds yield; they may also be used as common nuts, and the stems are useful as fodder. The seed may be planted in rows about two feet apart, and a foot between the plants in the rows; it thrives best in light sandy soils and is very prolific, and if cultivated on a large scale would, no doubt, prove remunerative. Continue to transplant tobacco, leaving the plants about four feet apart each way. Hay will soon be ready to cut in the early districts. Any potatoes not earthed up attend to at once, in order to protect them from heat. Turmeric and ginger should now be planted in well prepared soil, and after planting should be mulched with cow dung. A sandy soil suits them best.

## NOVEMBER.

[November in Queensland corresponds to May in Great Britain.]

*Kitchen Garden.*—A few vegetables of various kinds may still be sown as required; but should the weather prove dry, the seed beds must be well and regularly watered. The branches of tomatoes should be supported to prevent the fruit from lying on the ground, and the shoots thinned and stopped occasionally. Sow *Hibiscus sorbifolia*, cucumbers, melons, etc., as in last month; a rich soil and plenty of moisture are essential to secure good crops of these. The cuttings of asparagus should now cease, and the beds may receive a top-dressing of salt with beneficial effect. Keep the surface soil between crops frequently stirred, and let more than common care be taken to destroy weeds of all kinds. There is no work that requires more attention than this, for weeds are at no time more detrimental to crops than the present, especially among all close-growing crops of young plants. It is therefore of the utmost importance to destroy them before they grow so large as to overrun and become detrimental to the advancing young crops, and require double the labour to eradicate them.

*Fruit Garden.*—When there is a superabundance of fruit on peach, nectarine, apricot, almond, apple, and pear trees, it should be thinned, care being taken to leave the largest and best fruit, and also not to injure the trees. Complete pineapple and banana planting in order that they may have the full benefit of the present summer. Loosen the soil among vines and keep them free from weeds and caterpillars; renew the stakes where required and look over them frequently to thin and stop the shoots, so as to throw all the strength of the plant into the fruit as it swells. It is a very common mistake to leave too much young wood on vines, as it only serves to crowd the fruit and also prevents it from ripening thoroughly. Remove suckers and all barren shoots that will not be wanted next season. If the weather is warm and moist the disease may again make its appearance. Constant care and attention will be necessary, and if the slightest trace of disease appear renewed sulphuring will be required immediately.

*Flower Garden.*—There will now be abundance of work for the scythe and hoe. Flower beds and borders should be kept perfectly clean and neat. Tie up climbers and all tall growing plants that need support, and cut down all herbaceous plants when they have done flowering; and continue to take up and store bulbs as in last month. Plant out any dahlias that have been kept for late autumn flowering, and transplant annuals, coleus, caladiums, and other tender foliage plants in showery weather, and shade them from the hot sun for a few days. Water newly planted shrubs and trees, and see to the mulching, and attend to the watering in dry weather, especially of plants newly removed.

*Field.*—Plantations of cotton, indigo, arrowroot, ginger, turmeric, etc., must be attended to, and all weeds destroyed when young. Use the horse hoe for this purpose, when practicable, as soon as the crops will admit of the operation. Sugar cane planted last month should have a little more earth drawn about it occasionally; this must be continued for the next three or four months. When tobacco has reached its full height, and is coming into flower, it must be topped and frequently looked over and pinched, and the weak leaves thinned out, leaving only the large and more fleshy; all the strength of the plant will thus be given to those which are retained. Wheat will now be ready for the sickle, and will demand the farmer's careful attention to get the harvesting properly performed. Hay-making should be finished this month; and if it is desired to save the seeds of any of the grasses, it should be remembered that seeds ripen a good deal after being cut, and if care be not taken the seeds will fall out. As the *bixa orellana*, or anatto plant, flourishes in this climate, it would probably pay to cultivate it for the sake of the dye called anatto, which is obtained from the red pulp covering the seeds. It is better not to plant maize this month, but defer it to the end of December, as the November crop but very rarely succeeds.

## DECEMBER.

[December in Queensland corresponds to June in Great Britain.]

*Kitchen Garden.*—Hoeing and surface stirring between crops will still be of the greatest importance, as these operations are not only destructive to weeds, but they also check rapid evaporation and pulverise the ground. In dry weather, celery, cucumbers, melons, and pumpkins should be watered. In watering any kind of plants, it is very much better to give a copious supply once or twice a week than daily sprinklings, which serve only to cake the ground, and are of little or no benefit to the plants. If the supply of vegetables for the summer is running short—should the weather prove favourable—some cauliflower, cabbage (St. John's Day), and French beans may be sown; also sow pumpkins.

*Fruit Garden.*—Proceed with the thinning of the shoots of vines, and also the fruit where it is too abundant. If *Oidium Tuckerii* appears, syringe the vines with sulphur, fresh slacked lime, and water which has been previously boiled. Most kinds of fruit trees, as peaches, etc., may now be budded, and all fruit should be gathered as it ripens.

*Flower Garden.*—Everything in this department should now be kept in the neatest possible order by clearing away weeds and all rubbish. Border edgings should be trimmed and climbers trained and tied, and all tall-growing plants neatly staked and tied up where necessary. Roses may be budded when the bark upon the stock separates freely from the wood. Carnations, pinks, etc., may be propagated from pipings or layers. Pot plants will require constant attention in watering, shading, keeping free from insects,

etc., most of these would be better plunged at this season. Flower seeds may be gathered, taking care to select none but the best varieties. Look over bulbs that have been stored, and see that they are perfectly dry and are not attacked by mice.

*Field.*—The operations of the month will consist chiefly in hoeing and keeping free from weeds, sugar, cotton, and all other crops. Look frequently over tobacco, top any that has not previously been done, and pinch off all side shoots as soon as they make their appearance; the first crop will be ready to cut—this will be shown by the leaves turning partially yellow. Cotton should also be topped, and have the superfluous shoots thinned out. Draw a little earth occasionally to new planted sugar canes. Potatoes planted in spring should now be ripe, and must be taken up as soon as they are ready, as they will rot if left long in the ground. Seed from this crop must be saved for the March planting, as at that time of the year imported potatoes fit for seed purposes cannot be obtained. Yams should be staked for the purpose of supporting their vines, and to prevent their trailing upon the ground. Maize should be planted for winter crop. Too much attention cannot be given at this season to keeping the weeds under, as if they now get the upper hand, it will be almost impossible to overcome them during the present season, and where the land is suitable to their operations, no better investment presents itself to the cultivator than labor-saving implements for this description of work.

### USEFUL TABLES.

TABLE, <i>Showing the Number of PLANTS re- quired to plant an ACRE of LAND, from 1 foot to 30 feet—plant to plant.</i>				TABLE, <i>Showing the Number of PLANTS re- quired to plant a Mile in Length, from 1 foot to 100 feet apart.</i>			
DISTANCE.	NO. OF PLANTS.	DISTANCE.	NO. OF PLANTS.	DISTANCE.	NO. PER ACRE.	DISTANCE.	NO. PER ACRE.
Feet.		Feet.		Feet.		Feet.	
30	48	9	537	100	52	25	211
28	55	8	680	95	55	20	264
26	64	7	889	90	58	15	352
24	75	6½	1,031	85	62	10	528
22	90	6	1,201	80	66	9	586
20	100	5½	1,440	75	70	8	660
19	120	5	1,742	70	75	7	754
18	134	4½	2,151	65	81	6	880
17	150	4	2,722	60	88	5	1,056
16	169	3½	3,556	55	96	4	1,320
15	193	3	4,840	50	105	3	1,760
14	222	2½	6,970	45	117	2	2,640
13	257	2	10,890	40	132	1	5,280
12	302	1½	19,360	35	151		
11	360	1	43,560	30	176		
10	435						

## CAPACITY OF SOILS FOR WATER.

THE following substances are saturated when they contain of their own weight—Sand, about 24 per cent. of water; calcareous sand, about 28 per cent.; loamy soil, about 28 per cent.; clay loam, about 47 per cent.; peat, about 80 per cent.

## VELOCITY OF WATER IN TILE DRAINS.

AN acre of land, in a wet time, contains about 1000 spare hogsheads of water. An under drain will carry off the water from a strip of land about 2 rods wide, and one 80 rods long will drain an acre.

The following table will show the size of the tile required to drain an acre, in two days' time (the longest admissible), at different rates of descent, or the size for any larger area:—

Diameter of Bore.	Rate of Descent.	Velocity per second.	Hhds. dischd. in 24 hours.
2 inches	1 foot in 100	22 inches	400
2 "	1 " 50	32 "	560
2 "	1 " 20	51 "	900
2 "	1 " 10	73 "	1,290
3 "	1 " 100	27 "	1,170
3 "	1 " 50	38 "	1,640
3 "	1 " 20	67 "	3,100
3 "	1 " 10	84 "	3,600
4 "	1 " 100	32 "	2,500
4 "	1 " 50	45 "	3,500
4 "	1 " 20	72 "	5,600
4 "	1 " 10	100 "	7,800

A deduction of one-third to one-half must be made for the roughness of the tile, or imperfection in laying. The drain must be of some length to give the water velocity, and these numbers do not therefore apply to very short drains.

## CONSUMPTION OF HAY.

THE hay consumed by different animals does not vary greatly from three pounds daily for each hundred pound weight of the animals. The following table is the result of various experiments by different persons, and will be useful to farmers who wish to determine by calculation beforehand how their hay will hold out for the winter:—

Working horses ...	3.08 lbs.	Steers ...	2.84 lbs.
Working bullocks ...	2.40 "	Dry Cows ...	2.42 "
Milk Cows ...	2.40 "	Sheep ...	3.00 "
Young growing cattle	3.08 "		

All the articles enumerated in these food tables are estimated as of good quality. If the fodder be of poor quality more must be allowed.

## VALUE OF FOOD FOR DOMESTIC ANIMALS.

The figures below give the comparative number of pounds of each substance to equal in effect that of any standard food—as for instance that of hay :—

Good hay to give a certain nourishment requires	...	100 lbs.
Good clover will give the same effect by the use of	...	95 "
Rye straw	" "	355 "
Oat straw	" "	220 "
Potatoes	" "	105 "
Carrots	" "	280 "
Beets	" "	346 "
Wheat	" "	43 "
Peas	" "	44 "
Beans	" "	46 "
Rye	" "	49 "
Barley	" "	51 "
Maize	" "	56 "
Oats	" "	59 "
Buckwheat	" "	64 "
Oil-cake	" "	64 "

## GRASSES—INDIGENOUS AND ARTIFICIAL.

## ON THE SIMPLEST METHOD OF ESTIMATING THE RELATIVE VALUES OF THE VARIOUS GRASSES.

MUCH attention has lately been directed to a fact to which we can no longer shut our eyes, namely, that many of our most valuable indigenous grasses are gradually becoming extinct, principally attributable to over-stocking, and their places supplied by inferior and, in many instances, noxious grasses. This is a matter deserving of serious consideration, and many persons interested will, doubtless, endeavor to arrest this evil. Many, no doubt, will collect those grasses that are considered most superior for fattening purposes in their own immediate district, and by the cultivation of these for seed purposes will be enabled in some measure to restock their deteriorated pastures. This will, no doubt, be a step in the right direction, but to bring it to a practical issue it will have to be carried still further in order to ascertain which grasses contain the largest amount of nutritive matter, a question of considerable importance to a grazier occupying a limited area of ground.

By their cultivation for seed purposes in the manner already mentioned their power of resisting drought can no doubt be pretty accurately ascertained, but whatever decision may be arrived at as to their relative values for feeding purposes can only be obtained from observation of their growth and general appearance, which notwithstanding the experience of the observer is liable to very serious error, as shown in the case of "Dr. Muhlenberg, of Pennsylvania, who has written ably on the subject, and John Taylor, a distinguished agriculturalist of Virginia, both of whom place the tall oat grass (*avena elatior*) at the head of the grasses, yet from the investigations made at Woburn, it appears among the poorest in the amount of nutritive matter per acre."



The object of this paper is to direct the attention both of the farmer and the grazier to the most simple and effectual manner of estimating the yield per acre, the quantity of nutritive matter contained in that yield, and consequently the relative value for feeding purposes of the different varieties of grasses experimented upon. The Woburn method is simple and capable of being carried out by any ordinary intelligent person, without the aid of scientific assistance, and the appliances required are few and not costly. The results of Sinclair's researches at Woburn, made by the direction of the Duke of Bedford, though not strictly accurate in a chemical sense, are sufficiently approximate for all practical purposes. However imperfect his method may seem to modern agricultural chemists, it nevertheless affords the only proximate data hitherto exhibited with a view of showing the comparative values of the numerous grasses upon which he experimented; and to the present day, both in England and America, if not relied upon as an unerring guide, Sinclair's tables are accepted as the fullest and most correct that we have upon the subject. The land intended to be sown should have at least two ploughings and harrowings—or, at all events, be sufficiently worked to bring it into good tilth, and thus ensure a proper seed bed—or, if more convenient, it may be dug with the spade and thoroughly pulverized. Before ploughing it would be advisable to pare and burn the land intended to be sown, in order that indigenous grasses and weeds may not interfere with the accuracy of the experiment.

The land must next be laid off in plots of equal measurement, of whatever size and number that may be decided upon. At Woburn each plot contained two square feet, and was surrounded with an iron edging in order to prevent the sides of the beds from being washed away by rains, as in the event of this occurring it would have given rise to serious errors in the computation of the yield of good fodder per acre. Two feet appears to be somewhat too small, and it is needless to say that the larger the plots are made, the more accurate the results will be. Great care is required in this portion of the trials, as a slight mistake in the measurement in the fractional part of an acre becomes a serious error when the yield per acre has to be calculated from it. Instead of the iron edging referred to for the purpose of keeping the plots the size originally laid out, six-inch hardwood boards, or sawn slabs, would be found an efficient substitute.

The seed having been sown in the usual manner and germinated successfully, if the young plants suffer from the want of moisture, it would be advisable, if possible, to supply them with water until they become established; but after that period on no account should water be given if we are desirous of ascertaining the true qualities of any grass, for it must be admitted that in this climate more especially the capacity for resisting drought is of the utmost importance in many localities, and is one of the most valuable qualities that a grass can possess.

In experiments of this description it must always be borne in mind that the object sought to be obtained is not to form a show collection of beautifully grown grasses, but to give them as much as possible the same treatment that they would receive in their native habitats, and thus be enabled to arrive at their correct relative values both as to power of withstanding drought, earliness, luxuriance of growth, whether winter or summer grasses, yield of fodder per acre, and the quantity of nutritive extract contained therein.

The proportion of nutritive matter in any grass to its whole bulk is, of course, very different in the green or flowering state from what it is when the same grass becomes converted into hay. The chemical constituency of the nutritive matter also materially differs in the three states of flowering, of

seeding, and of aftermath. Sir Humphrey Davy found in all the trials that he made "the largest quantity of truly nutritive matter when the seed was ripe, and the least bitter extract and saline matter; most extract and saline matter in the autumnal crop; and most saccharine matter in proportion to the other ingredients in the crop cut at the time of flowering."

When the grasses flower, one-half of each plot should be cut and weighed, thus determining the yield of green feed per acre. A portion of this is then dried, thus arriving at its loss in weight when made into hay. The same process is followed with the other half of the plot when in seed. The aftermath can be heated in the same manner if required.

In order to determine the quantity of nutritive matter per acre, Sinclair followed the simple formula furnished by the late eminent chemist, Sir Humphrey Davy, "Submit the grass in a green or dry state to the action of hot water until all its soluble parts are taken up. Then separate the liquor from the woody fibre of the grass, by means of blotting paper, and evaporate it to dryness. The product of solid matter is the nutritive matter of the grass." Sixty-four drachms of each sample in the different states of green food, hay, and aftermath, were examined by Sinclair in the manner above described for the nutritive matter contained in each, and from the result so obtained the quantity of nutritive matter per acre was computed. A record was also kept of the date of flowering and of seeding. From the results thus obtained the proportionate value of the grass in flower to the value of the same grass in seed was arrived at, whilst the relative feeding power per acre, etc., can be seen at a glance in the subjoined extract from the Woburn table which will have the effect of making the above explanation more intelligible to many:—

## GRASSES—THEIR PROPORTIONATE VALUE, ETC.

Botanic and English Names.	Height in wild state. In inches.	Soil employed.	When weighed.	Weight per acre—green.	Weight per acre—dried.	Loss in drying.	64 drms gave nutritive matter in one acre.	Nutritive matter in 1 acre.	When in flower.	When in seed.	Proportionate value of the grass in flower to the grass in seed.	General character.
<i>Anthoxanthum odoratum</i> —Sweet-scented vernal grass.	12	Sandy loam	In Flower Seed L. Math	7827 6125 6806	2103 1837	5723 4237	1.0 3.1 2.1	122 311 239	April 29	June 21	4 to 13	Early pasture grass
<i>Hiercus odoratus</i> —Sweet-scented soft grass.	14	Rich sandy loam	In Flower Seed L. Math	9528 27225 17015	2441 9528	7087 17696	4.1 5.1 4.1	610 2233 1129	April 29	June 25	17 to 21	Most nutritive
<i>Alopecurus pratensis</i> —Meadow fox-tail grass	24	Clay loam	In Flower Seed L. Math	20418 12931 88167	6125 5819	14293 7111	1.2 1.1 2.0	270 461 255	May 30	June 24	9 to 6	Best mowing

No analyses of the ashes were made at the Woburn trial, but they have been made both prior and subsequent to it, and have proved of great benefit as a guide to persons laying down or improving pasture lands. Although, as before mentioned, the means used by Sinclair in arriving at these results in the present state of chemical science would be considered as too limited for eliciting the comparative powers of the different plants, and the results themselves would not be received as thoroughly accurate and conclusive, still for all practical purposes they have proved sufficient, and would be well suited to agriculturalists and graziers in this colony who might contemplate a trial of any grasses, artificial or indigenous, and who may not feel inclined to incur the expense of analysis, or who may feel too far distant to avail themselves of its help, although desirous to do so.

The external characters which Sinclair ascertained to be associated with a greater or less secretion of some one or the other of the nutritive principles are so numerous as not only allow classification into groups, but in most instances to give several criteria to each group. Sugar and mucilage are comparatively abundant in grasses which have small jointed culms, thick and succulent leaves, and downy husked flowers; and the sugar is generally in excess in such of those that have a light glaucous color. Extractive matter is comparatively abundant in grasses which have small jointed culms, thin, flat, rough, light green leaves, and pointed flowers in either a spike or a spike-like panicle. Gluten and mucilage are comparatively abundant in grasses which have many jointed culms, smooth and succulent leaves, spiked or closely panicle flowers; and sugar is next in proportion to the mucilage in such of these as have a glaucous color and woolly florets. Mucilage and extractive are comparatively abundant in grasses which have the points of their culms smooth and succulent and their flowers panicle. Extractive and saline principle are comparatively abundant in grasses which have tall culms, flat and rough leaves, panicle flowers and pointed or long awned florets. Extractive and mucilage are comparatively abundant in grasses which have long creeping roots, flat and rough leaves, and spiked flowers.

From the above it will be seen that it is in the power of every person, exercising a moderate degree of care and attention, to select after proper trial the most nutritious grasses, either artificial or indigenous, and by their aid so renovate any deteriorated pasture lands, that their carrying capabilities will be much increased and their value in consequence enhanced.

### WHAT IS AN ACRE?

		Contains			Contains
5 yards by 968 yards .....	1 acre	220 feet by 198 feet.....	1 acre		
10 yards by 484 yards .....	1 acre	441 feet by 39 feet .....	1 acre		
20 yards by 242 yards .....	1 acre	110 feet by 369 feet.....	1 acre		
40 yards by 121 yards .....	1 acre	60 feet by 726 feet.....	1 acre		
80 yards by 60½ yards .....	1 acre	120 feet by 363 feet.....	1 acre		
79 yards by 68 1/9 yards.....	1 acre	240 feet by 181½ feet .....	1 acre		

### AMERICAN COINAGE.

		American Value	Eng. Value			American Value	Eng. Value
		Value	£ s. d.			Value	£ s. d.
Dollar ... ..	100 Cents	0	4	2	Dime ... ..	10 Cents	0 0 5
Half Dollar ...	50	0	2	1	Half Dime ...	5	0 0 2½
Quarter Dollar	25	0	1	0½	Three-Cent-piece		0 0 1½

# ROYAL FAMILY OF GREAT BRITAIN, SOVEREIGNS OF EUROPE, &c.

QUEEN (Alexandrina) VICTORIA, Queen of the United Kingdom of Great Britain and Ireland, only daughter of His late Royal Highness, Edward Duke of Kent, born May 24, 1819, succeeded to the throne on the decease of her uncle, King William IV., June 20, 1837. Proclaimed June 21, and crowned Sovereign of these Realms at Westminster, June 28, 1838. Married Feb. 10, 1840, at the Chapel Royal, St. James', to her cousin, Field Marshall His Royal Highness Francis Albert Augustus Charles Emmanuel, Duke of Saxe, Prince of Saxe-Coburg and Gotha (*b.* Aug. 27, 1819; *d.* Dec. 14, 1861), K.T., G.C.B., &c. *Issue*—

- I. Victoria Adelaide Mary Louisa, Princess Royal, *b.* Nov. 21, 1840; *m.* Jan. 25, 1858, Frederick William, Crown Prince of Prussia, K.G. *Issue*—Four sons and four daughters (one of the sons dead).
- II. Albert Edward, Prince of Wales, *b.* Nov. 9, 1841; *m.* March 10, 1863, the Princess Alexandra of Denmark. *Issue*—three sons and three daughters (one of the sons dead).
- III. **Alice Maud Mary**, *b.* April 25, 1843; *m.* July 1, 1862, Prince Louis of Hesse, *d.* Dec. 14, 1878. *Issue*—two sons and five daughters (one of the sons dead).
- IV. Alfred Ernest Albert, Duke of Edinburgh, *b.* August 6, 1844; *m.* Jan. 23, 1874, the Grand Duchess Marie Alexandrovna of Russia. *Issue*—one son and three daughters.
- V. Helena Augusta Victoria, *b.* May 25, 1846; *m.* July 5, 1866, Prince Frederick Christian Charles of Schleswig-Holstein-Sonderbourg-Augustenburg. *Issue*—three sons and two daughters (one of the sons dead).
- VI. Louisa Carolina Alberta, *b.* March 18, 1848; *m.* March 21, 1871, Marquis of Lorne, K.T., M.P.
- VII. Arthur William Patrick Albert, *b.* May 1, 1850.
- VIII. Leopold George Duncan Albert, *b.* April 7, 1853.
- IX. Beatrice Mary Victoria Feodore, *b.* April 14, 1857.

Duchess of Cambridge, *b.* July 25, 1797.

Duke of Cambridge, *b.* March 26, 1819.

Duchess of Mecklenburg, *b.* July 19, 1822.

Princess of Teck, *b.* November 27, 1833.

COUNTRY.	NAME.	BIRTH.	AGE.	ACCESS.
Great Britain	VICTORIA, Q. . . . .	May 24, 1819 . . .	61	1847
Austria . . . . .	Francis Joseph, E. . . . .	Aug. 18, 1830 . . .	50	1848
Baden . . . . .	Frederick W. L., G.D. . . . .	Sept. 19, 1826 . . .	54	1854
Bavaria . . . . .	Louis II., K. . . . .	Aug. 25, 1845 . . .	35	1864
Belgium . . . . .	Leopold II., K. . . . .	April 9, 1835 . . .	45	1865
Denmark . . . . .	Christian IX., K. . . . .	April 8, 1818 . . .	62	1863
France . . . . .	M. Grovy, President . . . . .			
Germany . . . . .	William I., E. . . . .	Mar. 22, 1797 . . .	83	1861
Greece . . . . .	George I., K. . . . .	Dec. 24, 1845 . . .	35	1863
Holland . . . . .	William III., K. . . . .	Feb. 19, 1817 . . .	63	1849
Italy . . . . .	Humbert, K. . . . .	March 14, 1844 . . .	36	1878
Portugal . . . . .	Louis I., K. . . . .	Oct. 31, 1818 . . .	42	1861
Roman Church	Leo XIII., Pope . . . . .	March 2, 1810 . . .	69	1878
Russia . . . . .	Alexander II., E. . . . .	April 29, 1818 . . .	62	1855
Saxony . . . . .	Albert, K. . . . .	April 23, 1828 . . .	52	1873
Spain . . . . .	Alphonso XII., K. . . . .	Nov. 28, 1857 . . .	23	1874
Sweden & Nor.	Oscar II., K. . . . .	Jan. 21, 1829 . . .	51	1872
Turkey . . . . .	Abdul Hamid II. . . . .	Sept. 22, 1842 . . .	37	1876
Wurtemberg	Cbas. Fdk. Alex., K. . . . .	March 6, 1823 . . .	57	1861

United States—President R. B. Hayes, elected, 1877.



## GOVERNMENT DEPARTMENTS.

## EXECUTIVE.

GOVERNOR—His Excellency Sir Arthur E. Kennedy, K.C.M.G., C.B.  
 Private Secretary—C. O'Callaghan.

## EXECUTIVE COUNCIL.

President—His Excellency the Governor.

Premier—The Hon. Thomas Mellwraith, Colonial Treasurer.

Vice-President—The Hon. Arthur Hunter Palmer, Colonial Secretary and Secretary for Public Instruction.

Members. { The Attorney-General—The Hon. Ratcliffe Pring.  
 The Postmaster-General—The Hon. Chas. Hardie Buzacott.  
 The Secretary for Public Works and Mines—The Hon. John Murtagh  
 Macrossan.  
 The Secretary for Public Lands—The Hon. Patk. Perkins.  
 Clerk of the Executive Council—Albert Victor Drury.

## LEGISLATIVE COUNCIL.

President—The Hon. Joshua Peter Bell.

Chairman of Committees—The Hon. Daniel Foley Roberts.

The Hon. William Draper Box  
 " Alfred Henry Brown  
 " Eyles Irwin C. Browne  
 " C. H. Buzacott (Postmas-  
 ter-General)  
 " James Cowlishaw  
 " George Edmondstone  
 " John Clarke Foote  
 " James Gibbon  
 " Francis Thomas Gregory  
 " Frederick Hamilton Hart  
 " John Christian Heussler  
 " William Hobbs  
 " Louis Hepe  
 " Francis Jeffrey Ivory

The Hon. William Fredk. Lambert  
 " John Frederick McDougall  
 " Charles Stuart Mein  
 " Chas. S. Dick-Melbourne  
 " John Mullen  
 " Thos. Lodge Murray-Prior  
 " Kevin Izod O'Doherty  
 " William Pettigrew  
 " Gordon Sandeman  
 " Henry George Simpson  
 " James Swan  
 " James Taylor  
 " John Sargent Turner  
 " William Henry Walsh  
 " William Duckett White

Clerk of the Council and of the Parliaments—Henry Bates Fitz. Clerk.  
 Assistant—Hon. C. G. H. A'Court. Shorthand Writer—L. J. Byrne. Usher  
 of the Black Rod—F. R. C. Master. Librarian—D. O'Donovan.

## LEGISLATIVE ASSEMBLY.

Speaker—The Hon. Henry Edward King.

Chairman of Committees—John Scott.

*Aubigny*, The Hon. Patrick Perkins  
 (Secretary for Public Lands)

*Balorne*, Jacob Low

*Blackall*, Archibald Archer

*Bowen*, Henry Rogers Beor

*Brisbane (North)*, The Hon. Samuel  
 Walker Griffith, Q.C.; The Hon.  
 Arthur Hunter Palmer (Colonial  
 Secretary and Secretary for Public  
 Instruction)

*Brisbane (South)*, Richard Ash Kings-  
 ford, Angus Mackay

*Bundamba*, William Hendren

*Bulimba*, Frederick ff. Swanwick

*Burnett*, William Henry Baynes

*Burke*, Roger Hall Sheaffe

*Carnarvon*, John de Poix Tyrel

*Clermont*, Henry Weld Blundell

*Cook*, John Walsh, Fred. A. Cooper

*Dalby*, George Morris Simpson



*Darling Downs*, Wm. Miles, Fr. Kates  
*Drayton and Toowoomba*, William Henry Groom, G. H. Davenport  
*Enoggera*, The Hon. Jas. R. Dickson, Arthur Rutledge  
*Fassifern*, De Burgh F. Persse  
*Fortitude Valley*, Francis Beattie  
*Gregory*, Charles Lumley Hill  
*Gympie*, John Hamilton  
*Ipswich*, The Hon. John Malbon Thompson, John Macfarlane  
*Kennedy*, H. W. Palmer, Francis Horace Stublely  
*Leichhardt*, John Scott (Chairman of Committees), John Macfarlane  
*Logan*, Peter McLean  
*Mackay*, Francis Tyssen Amhurst  
*Maryborough*, The Hon. John Douglas, C.M.G., The Hon. Henry Edward King (Speaker)

*Maranoa*, James Lalor  
*Mitchell*, Boyd Dunlop Morehead  
*Moreton*, James Francis Garrick  
*Mulgrave*, The Hon. Thomas McIlwraith (Colonial Treasurer)  
*Normanby*, John Stevenson  
*Northern Downs*, The Hon. George Thorn  
*Oxley*, Samuel Grimes  
*Port Curtis*, Albert Norton  
*Rockhampton*, Thomas Macdonald-Paterson, W. Rae  
*Rosewood*, Archibald Meston  
*Stanley*, P. O'Sullivan, Wm. Kellett  
*Townsville*, The Hon. John Murtagh Macrossan (Secretary for Public Works and Mines)  
*Warrego*, Ernest James Stevens  
*Warwick*, Jacob Horwitz  
*Wide Bay*, W. G. Bailey, Thos. Price

Clerk of the Legislative Assembly—Lewis Adolphus Bernays, F.L.S. Clerk Assistant—Henry Wyat Radford. Clerk—Charles Edgar Adams. Principal Shorthand Writer—W. Senior. Shorthand Writers and Clerks of Select Committees—D. F. T. Jones and John Gilligan. Sergeant-at-arms—Robert Douglas.

#### COLONIAL SECRETARY'S DEPARTMENT.

*Office—William Street.*

Colonial Secretary—The Honorable Arthur Hunter Palmer.

Under Colonial Secretary—F. Rawlins. Chief Clerk—Sir St. George Ralph Gore. Registrar-General—Henry Jordan. Master of Titles—Granville George Miller. Immigration Agent—R. Gray. Police Commissioner—D. T. Seymour. Police Inspector—T. H. B. Barron. Colonial Storekeeper—H. V. Hassell. Government Printer—J. C. Beal. Chief Engraver—W. Knight. Inspector of Prisons—A. E. Halloran. Lunatic Asylum—Surgeon-Superintendent, Patrick Smith, M.D.

#### POLICE MAGISTRATES.

*Aramac*—T. S. Sword  
*Beenleigh*—R. Alexander  
*Blockall*—R. A. Ranking  
*Bowen*—P. Macarthur  
*Brisban*—P. Pincock, W. H. Day (Assistant)  
*Bundaberg*—H. Burkitt  
*Byerstown*—  
*Cairns*—J. Spence  
*Cardwell*—G. J. Giffin  
*Charles He*—W. E. P. Okeden  
*Charter Towers*—E. Morey  
*Clermont*—A. Henry  
*Cooktown*—H. St. George  
*Cannonville*—W. O. Norris  
*Dalby*—W. Yaldwyn  
*Drayton and Toowoomba*—B. Cribb  
*Gayndah*—John Ranken  
*Georgetown*—W. R. Hodgkinson  
*Gladstone*—C. W. Rich  
*Goondieindi*—C. F. Cumming  
*Gympie*—J. O'C. Bligh  
*Hughenden and Cloncurry*—R. C. H. Uhr  
*Ipswich*—W. Townley

*Isisford*—W. C. Cardew  
*Mackay*—W. R. Goodall  
*Maryborough*—H. R. Buttanshaw  
*Maytown*—P. J. Seilheim  
*Port Douglas*—E. R. N. McCarthy  
*Normanton*—B. C. McGroarty  
*Nanango*—Archibald Lee  
*Ravenstwood*—W. R. O. Hill  
*Rockhampton*—T. P. Pugh  
*Roma*—J. Murphy  
*St. George*—T. Mowbray  
*St. Lawrence*—M. P. B. Fanning  
*Springsure*—J. G. McDonald  
*Stanthorpe*—P. Cardew  
*Surat*—R. T. Taylor  
*Tambo*—F. H. Hyde  
*Taroom*—A. W. Compigné  
*Trarlinging*—O. Armstrong (Mt. Perry)  
*Thoromindak*—A. M. Francis  
*Thornborough*—W. M. Mowbray  
*Thursday Island*—H. M. Chester  
*Townsville*—C. S. Dicken  
*Warwick*—G. P. M. Murray

## INSPECTORS OF BRANDS: CATTLE AND SHEEP.

Chief—P. R. Gordon, Brisbane. Inspectors of Brands reside at Blackall, Bowen, Claverton, Hughenden, Maryborough, Toowoomba, Springsure, St. George, Rockhampton, and Texas. Inspectors of Sheep reside at Bowen, Claverton, Gladstone, Maryborough, Rockhampton, Texas, and Townsville.

## MEDICAL BOARD.

President—Dr. Cannan. Secretary—W. H. Ryder. Members—Drs. Hobbs, Bell, Challinor, Callaghan, Mullen, O'Doherty, and Bancroft.

## PUBLIC VACCINATORS.

*Brisbane*—Dr. Hobbs; *Ipswich*—Dr. Macintosh; *Toowoomba*—Dr. Armstrong; *Rockhampton*—Dr. Salmoud.

## REGISTRATION OF BIRTHS, MARRIAGES, AND DEATHS.

Registrar-General—Henry Jordan. Deputy—W. T. Blakeney.

From the 1st March, 1876, the Colony was divided into the undermentioned Registry Districts. The following are the Registrars appointed in each district:—

## DISTRICT REGISTRARS.

<i>Balonne</i> —James Boyle Tonson, St. George	<i>Caboolture</i> —Thomas Bryce Burnside, Stoney Creek
<i>Blackall</i> —W. H. L. Campbell	<i>Cardwell</i> —George James Giffin, Cardwell
<i>Bowen</i> —Waldron Burrowes, Bowen	<i>Charleville</i> —William Edward Parry-O'Keden, Charleville
<i>Brisbane</i> —The Registrar-General, Henry Jordan, and Deputy-Registrar-General, William Theophilus Blakeney, Brisbane	<i>Clermont</i> —James Graham Croghan, Clermont
<i>Bundaberg</i> —Horace Burkitt, Bundaberg	<i>Cook</i> —James Campbell Pryde, Cooktown
<i>Burke</i> —Bernard Canning MacGroarty, Normanton	<i>Cunnamulla</i> —Herbert Orlebar Bishop, Cunnamulla
<i>Burnett</i> —John Connolly, Gayndah	<i>Mackay</i> —William Robert Goodall, Mackay
<i>Dalby and Darling Downs North</i> —John Perrell Wilkie, Dalby (Acting)	<i>Maranoa</i> —Henry Taylor Macfarlane, Roma
<i>Darling Downs East</i> —Charles Francis Cumming, Goondiwindi	<i>Marathon</i> —Thomas Stevenson Sword, P.M., Aramac
<i>Darling Downs West and Warwick</i> —Archibald Stewart, Warwick	<i>Maryborough and Wide Bay</i> —Sidney Briggs Terry, Maryborough
<i>Drayton and Toowoomba and Darling Downs Central</i> —John Alexander Boyce, Toowoomba	<i>Caley</i> —John Anthony Bunting, Railway Station, Oxley
<i>East Moreton</i> —John Greig Smith, Stanley Street, South Brisbane	<i>Palmer</i> —Philip Frederick Sellheim, Edwardstown
<i>Etheridge</i> —William Samwell, Georgetown	<i>Peak Downs</i> —Richard Swords, Nebo
<i>Fassifern</i> —Charles Hayman Brand, Mount Radford, Harrisville	<i>Rockhampton and Westwood</i> —Stanley Grantham Hill, Rockhampton
<i>Gilberton</i> —William Samwell, Georgetown	<i>Somerset</i> —David Hugh Duff, Thursday Island
<i>Gladstone</i> —John Score Powe, Gladstone	<i>Springsure</i> —John Graham Macdonald, Springsure
<i>Gympie</i> —John Farrelly, Gympie	<i>Stanley</i> —George E. McPhail, Cressbrook
<i>Ipswich and West Moreton</i> —Thomas William Hoey, Ipswich	<i>Stanthorpe</i> —C. W. Pitts, Stanthorpe
<i>Kennedy North</i> —John Archibald, Charters Towers	<i>St. Lawrence</i> —Henry Montague Cockburn, St. Lawrence
<i>Kennedy South</i> —John T. Houghton, Capeville	<i>Tambo</i> —Frederick Hamilton Hyde, Tambo
<i>Leichhardt</i> —Arthur Morley Francis, Banana	<i>Taroom</i> —Martin Zerbe, Taroom
<i>Logan</i> —Robert Miller, Beenleigh	<i>Tiaro</i> —John McMullan, Tiaro
	<i>Townsville</i> —W. Handley Dean, Townsville
	<i>Warrego</i> —Robert Alexander, Thorgomindah

## ASSISTANT DISTRICT REGISTRARS.

<i>Balonne</i> —Surat, Richard Targett Taylor, Police Office, Surat	<i>Caboolture</i> —John Henry Canning, Police Office, Caboolture
<i>Blackall</i> —Isisford, Walter C. Cardew	" Constable William Boudet, Cobb's Camp
<i>Burke</i> —Hughenden, Reginald C. H. Uhr	" North Pine River, Sear. Con. Hugh O'Loan
<i>Burnett</i> —Nanango, Archibald Lee, Nanango	
Mount Perry, William Hart, Mount	

<i>Caboolture</i> —Bald Hills, James Carseldine	<i>Logan</i> —Nerang Creek, Henry Geo. W. Bryant
" South Pine, George Buckby, Post Office, South Pine	" Tambourine, Thomas Plunkett, Tambourine
" Sandgate, Sergt. Joseph Owens, Police Office, Sandgate	<i>Maranoa</i> —Mitchell Downs, Sergeant Terence Byrne
<i>Cook</i> —Cairns, Patrick Halligan	<i>Oxley</i> —Beenleigh, Patrick McCluskey, Police Office
" Port Douglas, Henry Smith	" Goodna, Robert Slattery, Police Office, Goodna
<i>Darling Downs North</i> —Condamine, James King, Post Office	" Moggill, J. Shield, Post Office, Moggill
" Miles, John Stark, Railway Station	<i>Palmer</i> —Byerstown, vacant at present
" M. D. Tait, " "	" Thornborough, C. D. Keane
<i>Darling Downs East</i> —Allora, James Gwynne, Killarney, Fitzroy Kelly Milne	<i>Peak Downs</i> —Apis Creek, vacant at present
" Leyburn, James Mahony, Constable	" Lilyvale, E. Lewis, Lilyvale Post Office
" Railway Stations in District, The Station Masters, Railway Station	<i>Springsure</i> —Cometville, John Carey
Clifton—Allora	<i>Stanley</i> —Crow's Nest, Michael McCarthy, Police Office
<i>Darling Downs Central</i> —Highfields, John Thomas Littleton	<i>West Moreton</i> —Goodna, Robert Slattery
<i>Drayton and Toowoomba</i> —Drayton, P. Favenc, Drayton	" Walloon, The Station Master, Railway Station, Walloon
<i>East Moreton</i> —Beenleigh, Patrick McCluskey	" Laidley, The Station Master, Railway Station, Laidley
" Cleveland, Sergt. Con. James Sands	" Grandchester, The Station Master, Railway Station, Grandchester
<i>Gympie</i> —Black Snake, James Morgan Thompson, Kilkivan	" Gatton, The Station Master, Railway Station, Gatton
" Toxvaunt, R. A. Richardson, Noosa	" Helidon, The Station Master, Railway Station, Helidon
" Neureum, C. L. James	" Murphy's Creek, The Station Master, Railway Station, Murphy's Creek
<i>Kekaedy North</i> —Dairymple, Hervey Bleasdale Walker, Dairymple	" Rosewood, John W. Vance, Post Office, Rosewood
" Ravenswood, William Richard O'Hill	
" Millichester, Edgar F. Tye	
<i>Kennedy South</i> —Logan Downs, Donald S. Wallace, Logan Downs	
<i>Leichhardt</i> —Cometville, Police Sergeant John Carey	

JUSTICES AUTHORISED TO MARRY UNDER THE JUSTICES MARRYING ACT  
36 VICTORIA, NO. 12.

Following the name of the Justice is the district over which his power extends.

Armstrong, Octavius, Teningering.	Morey, Edmund, J.F., Subdivision No. 1 of Cook Census District.
Burkitt, Horace, Police District of Bundaberg.	Mowbray, William Matthew, Hodgkinson Gold Field.
Cardew, Walter Clare, Isisford, within part of the District of Blackall described in the <i>Gazette</i> , 5th July, 1879, Vol. 25, No. 1.	Spence, David, within certain limits of Census District of Cook.
Charters, W. S. E. M., Charters Towers Gold Fields.	Taylor, R. T., Old Registry District of Surat.
Lee, Archibald, Old Registry District of Nanango.	Uhr, Reginald C. H., Hughenden, within part of the Burke District, described in <i>Gazette</i> , No. 39, page 380, of 1879.

MAGISTRATES AUTHORISED TO CONSENT TO THE MARRIAGE OF MINORS.

<i>Balonne</i> —Peter McAuley, Thomas Mowbray, W. H. Hammond; at Surat, A. B. Barlow, F. B. Bays	<i>Clermont</i> —W. T. Burnett, Alfred Henry
<i>Blackall</i> —John Stevenson, James C. Higginson	<i>Cooktown</i> —Howard St. George
<i>Bowen</i> —P. McArthur, W. A. Brown	<i>Cook</i> —Alpin Grant Cameron
<i>Brisbane</i> —Hon. W. Thornton, L. A. Bernays, F.L.S., J. Petrie, F. Rawlins, Thomas Finney, A. Martin, R. A. Kingsford, E. MacDonnell	<i>Cunnamulla</i> —E. M. Geary, Vincent Dowling
<i>Bundaberg</i> —Horace Burkitt	<i>Dalby</i> —J. Howlin, F. W. Roche, W. Yaldwyn
<i>Burke</i> —Auliere S. Morrisett	<i>Darling Downs Central</i> —Gilbert G. Cory, Francis D. Vignolles
<i>Burnett</i> —John Rankin; at Teningering, Octavius Armstrong; at Nanango, Archibald Lee	<i>Darling Downs East</i> —J. Cook Snell, C. H. Green, George Clark, G. P. M. Murray
<i>Caboolture</i> —Basil R. Lethem, W. C. Joyner	<i>Darling Downs North</i> —Henry Cardell
<i>Cardwell</i> —F. Neame, Geo. James Giffin	<i>Darling Downs West</i> —S. W. Marshall, Jacob Low, Charles Francis Cumming
<i>Charleville</i> —Gordon Sandeman, David Parry-Okeden	<i>Drayton and Toowoomba</i> —Benjamin Cribb
	<i>East Moreton</i> —John F. Buckland, Angus Gibson
	<i>Etheridge</i> —William O. Hodgkinson
	<i>Fassifern</i> —Thomas Alford
	<i>Gilberton</i> —Now vacant
	<i>Gladstone</i> —C. W. Rich

*Gympie*—J. O'C. Bligh, Francis Gill  
*Ipswich*—W. Townley, E. Ogg, John Mac-  
 Farlane  
*Kennedy North*—W. S. E. M. Charters, at  
 Charters Towers  
*Kennedy South*—Arthur R. Tulloh, R. Stewart  
*Leichhardt*—F. Borton, J. T. M. Bell  
*Logan*—E. White, Robert Ranking  
*Mackay*—W. B. Goodall  
*Maranoa*—H. W. Bell, R. C. Lethbridge, R.  
 J. Cottell, Henry Tom, Richard W. Stewart,  
 J. Murphy  
*Marathon*—Thomas McWhannell  
*Maryborough*—R. B. Sheridan, Henry Regi-  
 nald Buttanshaw  
*Ozley*—Vacant at present  
*Palmer*—Philip Selheim  
*Peak Downs*—Vacant at present  
*Rockhampton*—D. Salmond, E. P. Livermore,  
 R. M. Hunter

*Somerset*—F. L. Jardine  
*Springvale*—W. Richards, Joseph Callaghan,  
 Samuel Bolitho  
*Stanley*—Wm. Butler, Kilcoy; Frederick  
 Lord, Eskdale  
*Stanthorpe*—Pollett Cardew  
*St. Lawrence*—E. G. Mayne, M. P. B. Fanning  
*Tambo*—J. Reid, Terriek Hamilton  
*Taroom*—W. N. Ascough  
*Tiaro*—W. G. Bailey  
*Townsville*—J. M. Dillon, James Gordon,  
 William Clifton, S. F. Walker, Charles  
 Shortt Dicken  
*Warrego*—A. J. D. Sams  
*Warrick*—Thomas Hammer, P. Margetts  
*West Moreton*—John Robinson, at Gatton;  
 W. H. Ackerley, at Goodna  
*Westwood*—Francis H. Hobler  
*Wide Bay*—Vacant at present

## LIST OF MINISTERS AUTHORISED TO MARRY IN THE COLONY.

## BAPTIST.

Coombs, Henry, Brisbane  
 Davies, Thos. L., South Brisbane  
 Downing, John, Brisbane  
 Godson, W. T., Maryborough  
 l'Erson, T. W., Rockhampton  
 Moore, W., Milton  
 Voller, James, Sainford  
 Windolf, Herman, Rosewood Scrub

## BIBLE CHRISTIAN.

Haggar, Charles Henry, Brookfield  
 Rounsefell, Benjamin, Brisbane  
 Woolcock, W., Brisbane

## BURNETT PROTESTANT CHURCH.

West, C. T., Bundaberg

## CHURCH OF ENGLAND.

Abraham, T., Toowoomba  
 Black, J. K., Milton  
 Butterley, T. H., Gympie  
 Court, David Alexander, Brisbane  
 Creyke, R., Toowoong  
 Diggins, William A., Rockhampton  
 Eglinton, William, Allora  
 Gilbertson, James, Beenleigh  
 Glennie, Archdeacon, Brisbane  
 Guinness, Herbert, Gatton  
 Hale, M. B., Bishop, Milton  
 Harris-Walker, W. F., Cometville  
 Hassall, J. S., Oxley  
 Holme, Thomas, Maryborough  
 Hosken, Richard, Cooktown  
 Houlbrook, Chas. Wm., Cleveland  
 Hugill, W. J., Stanthorpe  
 Hughes, H. P. W., LL.D., Brisbane  
 Hutchings, Edgar F., Roma  
 Jones, Thos., Brisbane  
 Kingham, David Peyton, Blackall  
 Locke, William, Sandgate  
 Love, James, Fortitude Valley  
 MacLaren, Albert A., Mackay  
 Mahalm, Robert, Dalby  
 Marshall, Wm., Townsville  
 Matthews, J., Warwick  
 Meeres, Edward, Clermont  
 Moberley, E. G., Gladstone  
 Morris, William, Bundaberg  
 McCleverty, J., Drayton  
 Newstead, A. C., Townsville  
 Osborn, Edward Castell, Warwick

Plunne, Henry, Townsville  
 Puttock, William, Ravenswood  
 Peel, Edmund, Yandilla  
 Ramm, Thos. W., Charters Towers  
 Reed, Benjamin, Cardwell  
 Robinson, C. G., Brisbane  
 Ross, Jas. Auchinleck, Bowen  
 Smith, Fredk., South Brisbane  
 Stanton, G. L., Bishop, Mackay  
 Sutton, J., Brisbane  
 Western, W. T., Rose Hill, Esk

## CONGREGATIONAL.

Bertwistle, Robt., Bundaberg  
 Browne, F. H., Ipswich  
 Cameron, John, Rockhampton  
 Draper, W., South Brisbane  
 Gammie, J. I., Bundaberg  
 Gray, W., Townsville  
 Griffith, E., Brisbane  
 Henry, J. W., Maryborough  
 Jamieson, L. C., Gympie  
 Moore, Edward, Roma  
 Messop, D., Goodna  
 Pepper, Thos. J., South Brisbane  
 Rawlings, Henry, Fassifern  
 Waraker, J. T., Toowoomba  
 Whiting, Joseph, Beenleigh

## JEWISH.

Goldstein, Samuel, Toowoomba  
 Myers, Jonas M., Brisbane  
 Phillips, Abraham, Brisbane

## LUTHERAN.

Berndt, Christian, Rosewood  
 Burghard, W., Toowoomba  
 Copas, F., Maryborough  
 Eberhard, M. J. T., Waterford  
 Gaustad, C., Walloon  
 Giezendanner, J. A., Toowoomba  
 Hansen, J. H., Maryborough  
 Hartwig, August E., Nerimandan  
 Hermann, J. G., Albert River  
 Heimer, E. C. F. T., Ipswich  
 Hellmuth, C. G., Maryborough  
 Maier, Ernst Otto, German Station  
 Schirmeister, C. F. A. F., Fortitude Valley

## PARTICULAR BAPTIST.

Kingsford, J., Brisbane  
 Straughan, J., Ipswich



## PRESBYTERIAN.

Amos, C. H., Charters Towers  
 Badge, Henry, Allora  
 Carson, J., Highfields  
 Clarke, C., North Pine, Caboolture  
 Dandie, Alexander, Warwick  
 Gauld, Alexander M., Clermont  
 Hay, Alexander, Rockhampton  
 Hume, Thomas, Mackay  
 Humphreys, Samuel, Gympie  
 Kingsford, T., Warwick  
 Kuipe, J. L., Maryborough  
 Lawrie, James, Dalby  
 Mackenzie, W., Herbert River  
 Meiklejohn, W. D., Springsure  
 Mitchell, D. F., South Brisbane  
 McAra, J., Goondiwindi  
 McCulloch, C., Brisbane  
 McSwaine, John Fleming, Brisbane  
 Nelson, W. L., Toowoomba  
 Ogg, Charles, Brisbane  
 Paterson, William, Oxley  
 Pollock, J. S., Gladstone  
 Rathjen, W. S., Toowoomba  
 Robertson, Peter, Ipswich  
 Stewart, James, Fortitude Valley  
 Wagner, G., German Station

## PRIMITIVE METHODIST.

Addison, J., Bundaberg  
 Bailey, A. R., Caboolture  
 Bray, William John, Brisbane  
 Buckle, J., Maryborough  
 Fuller, E., Ipswich  
 Hartley, R., Rockhampton  
 Powell, W., Brisbane  
 Smith, William, Brisbane  
 Thatcher, T., Gympie  
 Webber, John, Maryborough  
 Williams, James, Rockhampton

## ROMAN CATHOLIC.

Ahern, J. J., Brisbane  
 Breen, Benedict James, Brisbane  
 Bucas, P., Mackay  
 Byrne, D. J., Mackay

Comerford, J., Emerald  
 Cuni, John, Cooktown  
 Capra, P., Brisbane  
 Connolly, J. P., Nanaago  
 Davadi, J., Stanthorpe  
 Dunham, F. A. F., Roma  
 Dunne, R., Toowoomba  
 Fabris, Luigi, Cooktown  
 Fouhey, Denis, Charters Towers  
 Horan, A., Ipswich  
 Horan, J. J., Warwick  
 Horan, M., Gympie  
 McDonough, S. H., Bowen  
 McNab, Duncan, Mackay  
 Muirhall, Martin, Ipswich  
 Murray, C., Rockhampton  
 O'Connell, Thomas, Brisbane  
 O'Quinn, J., R.C. Bishop, Brisbane  
 O'Reilly, J., Maryborough  
 Rossolini, C., Gayndah  
 Scortechini, B., Waterford, Logan  
 Tanguelli, Tarquino, Cooktown  
 Walsh, W. M., Townsville

## UNITED METHODIST FREE CHURCH.

Issac, Abraham, Ipswich  
 Turner, Edmund, Brisbane

## WESLEYAN.

Allen, Robert, Brisbane  
 Beale, William H., Stanthorpe  
 Brentnall, F. T., Brisbane  
 Clipsham, Paul, Warwick  
 Collier, John W., Pinpama  
 Dinning, William, Townsville  
 Harding, Isaac, Indooroopilly  
 Hennessey, John David, Drayton  
 Madder, Matthew, Maryborough  
 Mather, W. B., Townsville  
 Orr, J. F., Gympie  
 Parkinson, M. H., Ipswich  
 Robson, John, Ipswich  
 Sellors, Richard, Brisbane  
 Spence, J., Rockhampton  
 Wall, William, Brisbane  
 Williams, Wm., Charters Towers

## REGISTRATION OF BIRTHS, MARRIAGES, AND DEATHS.

Every birth must be registered within sixty days, and every death within thirty days next thereafter respectively; and neglect of this regulation renders the parties, whose duty it is to register, liable to a fine not exceeding £10. If sixty days have elapsed from the date of birth, the law requires the parent, or other person making the application to register such birth, to pay a fee of three shillings (since September 1st, 1879), and to make a solemn declaration of the facts before a Justice of the Peace, prior to the registration. If possible in all cases the father or mother ought to sign as informant. If unable to write let a mark be made. No birth can be registered after three years have elapsed from the date thereof.

Every Minister who has celebrated a marriage shall, within one month thereafter, transmit (in accordance with the Act 25 Victoria No. 15) the original certificate to the Registrar of the District, and every Minister who shall fail to transmit the certificate to the District Registrar, shall be liable to a fine of not less than £10 and not exceeding £50. Marriages must be solemnised between the hours of 8 a.m. and 8 p.m. Persons under age must produce the written authority of parents or guardians signed by them in the presence of a Justice of the Peace, Registered Minister, or District Registrar, or the marriage cannot take place.

In every case of burial, the Minister or officiating person ought to receive from the undertaker or person having charge of the funeral, a certificate from the District Registrar, certifying the registration of the death—unless in the case of inquest, when a certificate from the Coroner or Magistrate holding the inquest will be sufficient; and if any dead body shall be buried without such certificate, the person who may bury the same, or perform any funeral or religious service for the burial, or who shall in any way dispose of the body, shall forthwith give notice of the facts to the District Registrar; and Undertakers are bound, under a penalty not exceeding £10, to lodge with the District Registrar, immediately after the burial, a Certificate of such burial signed by themselves, and countersigned by two witnesses.



## EDUCATION DEPARTMENT.

Secretary for Public Instruction—Hon. Arthur Hunter Palmer.

Under Secretary—J. G. Anderson, M. A.

Clerical Staff—J. F. Sloan (Chief Clerk), J. B. Hall (Accountant), D. Ewart (Registrar).

General Inspector—A. R. Campbell.

## COLONIAL TREASURER'S DEPARTMENT.

Colonial Treasurer—The Hon. Thomas Mcllwraith. Under-Secretary—E. B. Cullen. Chief Clerk—F. O. Darvall, junr. Mr. Cullen is also Under-Secretary to Savings Bank, and Commissioner of the Stamp Office. Officer in charge of Stamp Office—G. Day. Collector of Customs—W. Thornton. Marine Board—Commander G. P. Heath, R. N., Chairman, who is also Portmaster and Marine Surveyor. Shipping Master—A. J. Manson, who is also Secretary to Marine Board and Inspector of Shipping. Engineer of Harbors and Rivers—Wm. D. Nisbet, M.I.C.E.

## CUSTOMS DEPARTMENT.

Collector—W. Thornton. Chief Clerk—F. Taylor. Landing Surveyor and Inspector of Bonded Stores—W. G. Chancellor.

Ports on the coast with Custom-houses and Officers—Baffle Creek, Bowen, Bundaberg, Cairns, Cooktown, Gladstone, Keppel Bay, Mackay, Maryborough, Normanton, Port Douglas, Port Hinchinbrook, Rockhampton, St. Lawrence, Sweer's Island, Townsville, Thursday Island. There are also officers at Ipswich, Stanthorpe, and a Border Patrol.

Inspector of Invoices—J. Honeyman. Valuers at Maryborough, Cardwell, and Townsville.

## QUEENSLAND TARIFF.

Acids, 4s. per cwt	Cordials, 10s. per gallon
Arrowroot, 1d. per lb.	Cordage and Rope, 4s. per cwt.
Barley, 6d. per bushel	Corn Flour, 1d. per lb.
Bacon and Hams, 2d. per lb.	Doors, 2s. 6d. each
Beer (in bottle), 1s. for six reputed quart bottles	Dried Fruits, 2d. per lb.
Ditto, 1s. for twelve reputed pint bottles	Fish, pickled and salted (in casks), 5s. per cwt.
Beer (in wood), 9d. per gallon	Fish, dried, 5s. per cwt.
Biscuits, 2d. per lb.	Fish, preserved (not salted), 2s. per dozen lbs., and in same proportion for larger or smaller contents
Blue, 1d. per lb.	Fruits (bottled or in tins), 1s. per dozen pints or lbs.
Boats, 2s. 6d. per foot overall	Galvanised Iron, 2s. per cwt.
Brandy, 12s. per gallon	Geneva, 10s. per gallon
Bran and Pollard, 2d. per bushel	Ginger, 2d. per lb.
Butter, 2d. per lb.	Glue, 2d. per lb.
Candles, 2d. per lb.	Gunpowder, 1d. per lb.
Castor Oil (in bottle), 1s. per dozen pints; and in same proportion for larger or smaller quantities	Hay and Chaff, 10s. per ton.
Castor Oil, 6d. per gallon	Honey, 2d. per lb.
Cement, 2s. per barrel	Hops, 2d. per lb.
Cider and Perry (in bottle), 1s. for six reputed quart bottles	Iron Tanks, 8s. each.
Ditto, 1s. for twelve reputed pint bottles	Iron Castings, for building purposes, 2s. per cwt.
Ditto (in wood), 9d. per gallon	Iron Wire, 2s. per cwt.
Cigars, 5s. per lb.	Jams and Jellies, 1s. per dozen reputed lbs., and in same proportion for larger or smaller contents
Cheese, 2d. per lb.	Lead—Red and White, 2s. per cwt.
Chicory, 4d. per lb.	Leather, 2d. per lb.
Coals, 1s. 6d. per ton	Maccaroni, 1d. per lb.
Cocoa and Chocolate, 4d. per lb.	Maize, 6d. per bushel
Cocca—Raw, 2d. per lb.	Maizena, 1d. per lb.
Corrugated Iron, 2s. per cwt.	Maizemeal, 1d. per lb.
Coffee—Roasted, 6d. per lb.	Malt, 6d. per bushel
Do., Raw, 4d. per lb.	
Confectionery and Succades, 2d. 3/4 lb.	

Methylated Spirits, 5s. per gallon  
 Molasses, 3s. 4d. per cwt.  
 Mustard, 2d. per lb.  
 Nails, 2s. per cwt.  
 Nuts—all sorts, except cocoanuts—2d. per lb.  
 Oatmeal, 40s. per ton  
 Old Tom, 10s. per gallon  
 Oils, Mineral, &c., 6d. per gallon  
 Onions, 10s. per ton  
 Opium, 20s. per lb.  
 Oats, 6d. per bushel  
 Paints—Wet and dry, 2s. per cwt.  
 Pepper, 2d. per lb.  
 Pickles, 1s. per dozen pints, and in same proportion for larger or smaller contents  
 Potatoes, 10s. per ton  
 Preserved meat—not salted, 2s. per dozen lbs., and in same proportion for larger or smaller contents  
 Rice, 1d. per lb.  
 Rum—Foreign, 10s. per gallon  
 Sauces, 1s. per dozen pints, and in same proportion for larger or smaller contents  
 Sago, 1d. per lb.  
 Salad Oil, 1s. per dozen pints, and in same proportion for larger or smaller contents  
 Saltpetre, 4s. per cwt.  
 Sarsaparilla—containing more than 25 per cent. of alcohol of specific gravity of 8·25 at the temperature of 60 degrees Fahrenheit's thermometer, 10s. per gallon  
 Sarsaparilla—not containing more than 25 per cent of alcohol, 4s. per gallon  
 Sashes, 2s. 6d. per pair  
 Shot, 2s. per cwt.  
 Screws, 2s. per cwt.  
 Snuff, 2s. 6d. per lb.  
 Soap—not including toilet soap, 5s. per cwt.  
 Soda and Soda Crystals, 1s. per cwt.  
 Spices, 2d. per lb.  
 Spirits—Perfumed, 10s. per gallon  
 Ditto—All other, 10s. per gallon  
 Spruce and other Beer—in glass, 1s. per gallon  
 Ditto—in wood, 9d. per gallon  
 Starch, 1d. per lb.  
 Sugar—Refined, 6s. 8d. per cwt.  
 Ditto—Raw, 5s. per cwt.  
 Tapioca, 1d. per lb.  
 Tea, 6d. per lb.  
 Tobacco, 2s. 6d. per lb.  
 Turpentine, 6d. per gallon  
 Twine, 1d. per lb.  
 Vermicelli, 1d. per lb.  
 Vinegar—in wood, 9d. per gallon  
 Ditto—in bottle, 1s. per gallon  
 Wheat, 6d. per bushel  
 Whiskey, 10s. per gallon  
 Wine, 6s. per gallon.

### AD VALOREM DUTIES.

3. Upon all articles on which a duty is not otherwise imposed by this Act, or by the second schedule to "The Customs Duties Act of 1870," and which are not exempted from duty by schedule B to this Act, or by "The Customs Duties Act of 1870," a duty of five pounds upon every one hundred pounds value thereof.

### ARTICLES EXEMPTED FROM DUTY.

Anchors  
 Animals, alive  
 Boiler plates  
 Books, printed  
 Chain cables, over  $\frac{3}{4}$  of an inch in diameter  
 Copper coin  
 " sheet, plain  
 Curiosities—antique  
 Flax, New Zealand  
 Flour  
 Gold coin  
 Ditto unmanufactured  
 Garden seeds  
 Ditto bulbs  
 Ditto produce  
 Ditto trees  
 Ditto shrubs  
 Green fruit  
 Iron ore  
 Ditto plain sheet, not including galvanised  
 Ditto pig  
 Ditto bar  
 Ditto rod  
 Ditto scrap  
 Ditto hoop  
 Lead, pig  
 Ditto sheet  
 Manure  
 Machinery, agricultural  
 Ditto manufacturing  
 Ditto mining  
 Ditto pastoral purposes  
 Ditto sawing  
 Ditto sewing  
 Ditto steam engine and boilers  
 Muntz metal  
 Newspapers—printed  
 Naval and military stores, imported for the service of the Colonial Governments, or for the use of Her Majesty's land or sea forces; and wines and spirits for the use of His Excellency the Governor, or for naval and military officers employed on actual naval or military service and on full pay  
 Outside packages, in which goods are ordinarily imported, and which are of no commercial value except as covering for goods  
 Passengers' cabin furniture and baggage, and passengers' personal effects (not including vehicles, musical instruments, glassware, chinaware, silver and gold plate, and plated goods, and furniture other than cabin furniture), which are imported with and by passengers *bona fide* for their own personal use, and not imported for the purpose of sale  
 Quicksilver  
 Salt  
 Specimens, natural history  
 Silver coin  
 Ditto unmanufactured  
 Steel, unwrought  
 Tin plates  
 Ditto block  
 Zinc.

STAMP DUTIES.		£	s.	d.
<i>Drafts and Promissory Notes.</i> —For every £50 and under, and every fractional part of £50 above ... ..				
		0	1	0
<i>Bills of Exchange</i> (single).—Ditto ditto ... ..				
		0	1	0
Ditto, Foreign (if drawn in sets of two or more) each, for every £50 ... ..				
		0	0	6
<i>Receipts.</i> —For all sums of 20s. and upwards, each ... ..				
		0	0	1
<i>Cheques or Orders.</i> —Ditto ditto ... ..				
		0	0	1
<i>Bank Notes.</i> —For every £100 of the average annual circulation ...				
		3	0	0
<i>Deeds of Conveyance of Property.</i> —For every £50 and under ...				
		0	7	6
Above, and not exceeding £100 ... ..				
		0	15	0
For every fractional part of £100 above ... ..				
		0	15	0
<i>Agreements.</i> —Of the value of £5 and upwards ... ..				
		0	2	6
NOTE.—Where letters are produced in Court to prove agreements, it will be sufficient for one of them to be stamped with a duty of 5s.				
<i>Bills of Lading</i> , or copy thereof ... ..				
		0	1	0
For every receipt, or copy thereof, from master, mate, or agent ...				
		0	0	6
<i>Leases</i> , or <i>Agreements for Leases</i> —where the rent is £50 and under ...				
		0	2	6
Above, and not exceeding £100 ... ..				
		0	5	0
For every fractional part of £100 above ... ..				
		0	5	0
<i>Mortgage</i> to secure the repayment of any certain sum not exceeding £50 ... ..				
		0	5	0
For every additional £50 or fraction of £50 ... ..				
		0	5	0
Upon any transfer in whole or in part of any such mortgage one-half the amount originally paid, or in the case of mortgages made prior to the 18th day of October, A.D. 1866, one-half the amount which would have been paid thereon if they had been made after that day.				
Upon any release in whole or in part of any such mortgage the sum of ... ..				
		0	2	6
And in case any further advances shall have been made upon the security of such mortgage then for every £50 or fraction of £50 of such further advances the additional sum of ...				
		0	5	0
<i>Mortgages</i> to secure the repayment of future advances, the amount whereof is not stated at the time of registration ... ..				
		0	15	0
Upon any transfer in whole or in part of any such mortgage for every £50 or fraction of £50 of the largest sum which have been due upon the security of such mortgage but deducting therefrom the largest amount which shall have been paid at any one time as stamp duty at the aforesaid rate of five shillings for each £50 upon any previous transfer of any such mortgage.				
		0	5	0
And for every £50 or fraction of £50 which shall be due upon the security of such mortgage at the time of the transfer a further sum of ... ..				
		0	2	6
Upon release in whole or in part of any such mortgage ... ..				
		0	2	6
And a further sum calculated at the rate of five shillings for every £50 or fraction of £50 of the largest sum which shall at any one time have been due upon the security of such mortgage but deducting therefrom the largest amount which shall have been paid at any one time as stamp duty at the aforesaid rate of five shillings for each £50 upon any previous transfer of any such mortgage.				
<i>Registration of Deeds under Real Property Act</i> , not otherwise stamped ... ..				
		0	2	6
<i>Insurance.</i> —For every £100, above six months ... ..				
		0	1	0
For six months and under ... ..				
		0	0	6
Time-policy upon a ship or any vessel, and on goods, as merchandise, in the same, not exceeding three months ... ..				
		0	2	6
On all other Policies, for every £100, and every additional fractional part of £100 ... ..				
		0	1	0

<i>Transfers.</i> —Of Shares of Stock and Funds of any Public Company, for every £50 ... ..	£0 2 6
Of Runs and Stations, for every £100 ... ..	0 10 0

NOTE.—No Company shall register an unstamped Transfer under a penalty of £50.

<i>Probate of Will</i> and Letters of Administration, with a Will annexed, for every £100 ... ..	1 0 0
Under the value of £50 ... ..	0 10 0
<i>Letters of Administration</i> , without Will annexed, for £100 ... ..	1 10 0
Under the value of £50 ... ..	0 15 0
<i>Articles of Clerkship</i> ... ..	10 10 0
Articles of Apprenticeship ... ..	1 1 0
<i>Awards.</i> —For £50 ... ..	0 2 6
Above £50 ... ..	0 5 0
And for every £100 or fraction of £100 ... ..	0 5 0
<i>Bonds.</i> —For the payment of Money, for every £100 ... ..	0 2 6
Transfer of Bond ... ..	0 5 0
All other kinds of Bonds ... ..	0 10 0

*Exemptions from Duty.*—All Agreements with the Government for work or labor, or materials to be supplied; Debentures, Treasury Bills, and Promissory Notes issued by a Bank to the Colonial Treasurer for Government purposes; Bank Notes payable on demand (the duty being paid on the average annual circulation); all Bills of Exchange or Promissory Notes, Drafts or Orders drawn or indorsed out of the Colony for the payment of money for the use of Her Majesty; Bonds given by Parents or Friends of Lunatics for their maintenance; Bonds given on obtaining Letters of Administration; Customs' Bonds; Bonds required by any Act of Parliament; Transfers of Land to the Government; Crown Grants; Leases from the Crown; Government Cheques drawn on official form; Life Policies paid under Act 29 Victoria, No. 18; Acknowledgment for Money deposited in Banks; Government Receipts; Receipts for Money withdrawn from Savings Bank; Receipts given by Seamen, Laborers, or Menial Servants for Wages.

*Penalties.*—Any person issuing or paying an unstamped Bill of Exchange, Draft, Order, Promissory Note, or any other document mentioned in the foregoing, and subject to duty, is liable to forfeit the sum of £50. The same penalty is provided for the fraudulent removal or second use of an Adhesive Stamp. Persons drawing Bills purporting to be in a set, and not drawing the whole number, will incur a penalty not exceeding £100. Personal representatives of deceased persons not paying full duty on Probate of Will or Letters of Administration in due time, after the discovery of too little duty paid at first, will be subject to a penalty not exceeding £100, and a further penalty of £10 per £100 on the amount of the sum wanting to make up the proper duty. Payers of Bills are required to cancel stamps by writing the word "paid" over them, or incur a penalty of £20. Holders of Foreign Bills are required to affix Adhesive Stamps to them before negotiating them, or be liable to a penalty of £50. When an Adhesive Stamp is used to denote duties on Agreements, Awards, Bills of Lading, Policies of Insurance, Bills of Exchange, Promissory Notes, and Receipts, the persons signing or issuing them must, before he delivers them, cancel or obliterate the stamp by writing or stamping his name or initials, or the names of the firm or their initials, on it, or he will incur a penalty not exceeding £10.

### SECRETARY FOR WORKS DEPARTMENT.

Secretary for Works and Mines—The Hon. J. M. Macrossan. Under-Secretary for Works—Edward Deighton. Under-Secretary for Mines—Geo. L. Lukin. Colonial Architect—F. D. G. Stanley. Engineer of Waterworks—W. Highfield. Engineer of Roads (Southern Division)—F. Byerley; Foreman of Works—R. Walne. Engineer of Roads (Central Division)—A. W. Jardine; Foreman of Works—W. H. Standish. Engineer of Roads (Northern Division)—A. Macmillan; Road Inspector—C. H. McDonald.

### RAILWAYS.

Commissioner for Railways—A. O. Herbert. Chief Engineer, Southern Division, H. C. Stanley. Engineer in charge of Surveys—J. T. Smith. Chief Engineer, Central and Northern Division, R. Ballard.

RAILWAY STATIONS AND FARES.  
SOUTHERN AND WESTERN RAILWAY.

Miles.	STATION.	SINGLE.		RETURN.	
		1st Class	2nd Class	1st Class	2nd Class
	Brisbane to—	s. d.	s. d.	s. d.	s. d.
1	Milton ... ..	0 6	0 4	0 9	0 6
2	Toowong ... ..	0 6	0 4	0 9	0 6
4	Indooroopilly ... ..	1 0	0 9	1 6	1 0
6	Sherwood ... ..	1 6	1 0	2 3	1 6
7	Oxley ... ..	2 0	1 6	3 0	2 0
12	Wolston ... ..	3 0	2 0	4 6	3 0
14	Goodna ... ..	3 6	2 6	5 3	3 6
16	Redbank ... ..	4 0	2 9	6 0	4 0
18	Moggill Ferry ... ..	4 6	3 0	6 9	4 6
21	Bandamba ... ..	5 3	3 6	8 0	5 3
24	Ipswich ... ..	6 0	4 9	9 0	6 0
30	Walloon ... ..	7 6	5 0	11 6	7 6
35	Rosewood ... ..	9 0	6 0	13 6	9 0
43	Grandchester ... ..	11 0	7 6	16 6	11 0
51	Laidley ... ..	13 0	8 6	19 6	13 0
60	Gatton ... ..	15 0	10 0	22 6	15 0
66	Grantham ... ..	16 6	11 0	24 9	16 6
71	Helidon ... ..	18 0	12 0	27 0	18 0
82	Murphy's Creek ... ..	20 6	13 9	30 9	20 6
91	Highfields ... ..	23 0	15 3	34 6	23 0
100	Toowoomba ... ..	25 0	17 0	37 6	25 0
113	Gowrie ... ..	28 6	19 0	42 9	28 6
119	Oakey Creek ... ..	30 0	20 0	45 0	30 0
128	Jondaryan ... ..	32 6	21 6	48 0	32 0
152	Dalby ... ..	38 0	25 6	57 0	38 0
167	Macalister ... ..	41 9	28 0	62 9	41 9
180	Warra ... ..	45 0	30 0	67 6	45 0
202	Chinchilla ... ..	50 6	33 9	75 9	50 6
230	Miles ... ..	57 6	38 6	86 3	57 6
257	Dulacca ... ..	64 3	43 0	96 6	64 3
270	Channing ... ..	67 9	45 3	101 9	67 9
280	Yeulba ... ..	70 3	47 0	105 6	70 3

WARWICK LINE.

	Brisbane to—	s. d.	s. d.	s. d.	s. d.
108	Gowrie Junction ... ..	27 0	18 0	40 6	27 0
124	Cambooya ... ..	31 0	21 0	46 6	31 0
132	Greenmount ... ..	33 0	22 0	49 6	33 0
142	Clifton ... ..	35 6	24 0	53 6	35 6
153	Hendon (Allora) ... ..	38 6	25 6	57 6	38 6
166	Warwick ... ..	41 6	27 9	62 3	41 6

NORTHERN RAILWAY.

	Rockhampton to—	s. d.	s. d.	s. d.	s. d.
6	Gracemere ... ..	1 6	1 0	2 3	1 6
15	Stanwell ... ..	3 9	2 6	5 9	3 9
24	Rosewood ... ..	6 0	4 0	9 0	6 0
30	Westwood ... ..	7 6	5 0	11 3	7 6
33	Gogango ... ..	9 6	6 6	14 3	9 6
44	Rocky Creek ... ..	11 0	7 6	16 6	11 0
53	Herbert's Creek ... ..	13 3	9 0	20 0	13 3
58	Boolburra ... ..	14 6	9 9	21 9	14 6
65	Duaringa ... ..	16 3	11 0	24 6	16 3
88	Dingo ... ..	22 0	14 9	33 0	22 0
118	Blackwater ... ..	29 9	20 0	44 9	29 9
140	Comet ... ..	35 0	23 6	52 6	35 0
165	Emerald ... ..	41 3	27 6	62 0	41 3

Return Tickets, Southern and Western and Northern Railways, are available as follows, viz. :—For distances up to 50 miles, upon the day of issue only; over 50 miles, three days,



including the days of issue and collection. On Fridays and Saturdays, Excursion Tickets will be issued, on application, at single fares for the double journey, available until the following Monday. Excursion Tickets issued on Saturdays, for distances of 100 miles and over, are available for return up to Tuesday.

Children under 3 years of age, free; over 3 and under 12, half-fares.

N.B.—No money will be returned upon account of Railway Tickets lost, mislaid, not used, or issued upon incorrect application. Persons requiring Tickets should satisfy themselves, before leaving Ticket Offices, that they have received their proper Tickets and change.

NOTE.—Tickets will not be issued to any place beyond the terminal station of any particular Train.

## SECRETARY FOR PUBLIC LANDS DEPARTMENT.

Secretary for Public Lands—The Hon. P. Perkins. Under-Secretary and Acting Surveyor-General—W. A. Tully. Acting Chief Clerk—E. Deshon. Officer in charge of Selection Branch—J. S. Thomas. Survey Branch: Deputy Surveyor-General—W. M. Davidson. Chief Clerk—F. X. Heeney. Colonial Botanist and Director of Botanic Gardens—Walter Hill.

### CROWN LANDS.

Inspecting Commissioner—R. J. Smith. There are also Commissioners at the following places; as changes occur frequently it is best to address them as "Commissioner for Crown Lands," at the several places hereafter named, as Bowen, Bundaberg, Cardwell, Clermont, Condamine, Darling Downs (Toowoomba, Dalby, Warwick), East Moreton (Brisbane and Beenleigh), Gayndah, Gladstone, Goondiwindi, Gympie, Mackay, Maryborough, Normanton, Nanango, Port Douglas, Rockhampton, Roma, Springsure, Stanthorpe, St. George, St. Lawrence, Surat, Taroom, Tenningering, Townsville, West Moreton (Ipswich and Helidon).

### LAND AGENTS.

Aramac, Paltinglass, Beenleigh, Blackall, \*Bowen, Brisbane, \*Bundaberg, \*Cardwell, Charleville, Charters Towers, \*Clermont, Cloncurry, Cooktown, Cometville, Condamine, Cunnamulla, \*Dalby, Fort Cooper, \*Gayndah, \*Gladstone, Goondiwindi, \*Gympie, Helidon, Hughenden, Ingham, \*Ipswich, \*Mackay, \*Maryborough, Nanango, \*Normanton, Port Douglas, \*Rockhampton, Roma, Stanthorpe, Springsure, St. George, St. Lawrence, Surat, Tambo, Taroom, Tenningering, Thorgomindah, Thornborough, Thursday Island, \*Toowoomba, \*Townsville, Warwick. Address as follows—The Government Land Agent for—naming the place.

### MINERAL LAND AGENTS.

All those marked thus \* in the list of Land Agents. There are also others as follows: Gilberton, St. Lawrence, Stanthorpe, Tenningering. For the pastoral districts of Burke—agent at Normanton. For Leichhardt district—Rockhampton. For North Kennedy district—Townsville. For South Kennedy district—Bowen. For Warrego district—Charleville. For Mitchell district—Blackall.

### PASTORAL OCCUPATION COMMISSIONERS.

Officer in charge of Pastoral Occupation Branch in Brisbane—C. C. Carter. For Burke—at Normanton. For Burnett—at Brisbane office. For Cook—at Bowen. For Darling Downs—at Toowoomba. For Gregory N.—at Blackall. Gregory S.—at Charleville. For Leichhardt—at Rockhampton. For Maranoa—at Roma. For Mitchell—at Blackall. For North and South Kennedy—at Bowen. For Warrego—at Charleville.

Government Auctioneers—A. Martin, Brisbane; W. J. Hartley, Cooktown; W. A. Ackers, Charters Towers; F. Bryant, Maryborough; M. Alexander, Port Douglas; G. S. Curtis, Rockhampton; T. G. Robinson, Toowoomba; Smith and Walker, Townsville; C. B. Daveney, Warwick.

## ATTORNEY-GENERAL'S DEPARTMENT.

Attorney-General—The Hon. R. Pring. Chief Justice—His Honor Chas. Lilley. Puisne Judges—His Honor A. J. P. Lutwyche and His Honor G. R. Harding. His Honor Edmund Sheppard is the Northern Judge, resident at Bowen. His Honor Charles Lilley is Judge in the Vice-Admiralty Court. Judges of District Courts—G. W. Paul, Isidore J. Blake, Q.C., and H. L. Hely. Crown Solicitor—R. Little. Sheriff—A. E. Halloran. Curator of Intestate Estates—A. Raff.

Registrar of Joint Stock Companies—W. L. Fowles.

## NOTARIES PUBLIC.

Brisbane—R. Little, D. F. Roberts, W. H. Wilson, G. L. Hart, and W. L. Fowles. Rockhampton—C. S. Dick-Melbourne. Townsville—Edwin Norris.

## COMMISSIONERS FOR ISSUING WRITS, &amp;c.

Cooktown—Howard St. George; Mackay—W. R. Goodall, P.M.; Maryborough—H. R. Buttanshaw, P.M.; Rockhampton—T. P. Pugh, P.M.

## POST AND TELEGRAPH DEPARTMENT.

*Queen-street, Brisbane.*

Postmaster-General—The Hon. Charles Hardie Buzaott. Under-Secretary—J. M'Donnell. Superintendent of Electric Telegraphs—W. J. Cracknell. Assistant Superintendent and Inspector of Post and Telegraph Services—A. M. Matveieff. Chief Clerk and Cashier—F. E. Salisbury. Superintendent, Mail Branch—R. T. Scott. Accountant—J. W. Lawry.

## POSTAL REGULATIONS.

All letters received in this colony from *any* part beyond the seas that have not been regularly posted at the place of despatch will be charged with the colonial ship rates of postage.

Any letter or packet posted for delivery in the colony will, if the postage stamps thereon be not equal in value to its proper postage, be forwarded and charged with *double* the deficiency.

Any insufficiently stamped letter posted for transmission to the neighbouring colonies, the United Kingdom, or the United States of America, will, if bearing at least a single rate of postage, be forwarded and charged with the postage deficient and a single rate of postage as a fine; but, if not bearing a single rate of postage, it will be opened and returned to the writer.

Letters posted for transmission to foreign countries (except correspondence forwarded through Italy) and British colonies generally, whether sent direct or through the United Kingdom, will invariably be opened and returned to the writer unless they bear the *full amount* of postage payable thereon.

Any person can have a letter registered by affixing on it, by means of the proper stamps, the amount of the registration fee, in addition to the proper postage, and presenting it at a Post-office during office hours, when a receipt for the same will be given, and every precaution will be adopted to ensure its safe delivery by entering it on the Letter Bills, and obtaining a receipt for the same on delivery. As the Post-office, however, is not responsible for the loss of *any* letter, whether registered or otherwise, parties sending bank notes or drafts are advised to take the numbers and particulars, and to cut such notes or drafts in halves, and to send them by different posts. The registration of letters containing coin or other valuable enclosure is compulsory.

Letters, newspapers, and packets, on being re-directed, are chargeable with a new and distinct rate of postage.

Letters may be posted at the country offices half-an-hour previous to the time fixed for the despatch of mails; but late letters will be received to within a quarter of an hour, upon a fee of a sixpenny stamp being affixed to each foreign letter; and a threepenny stamp to each colonial or intercolonial letter, in addition to the ordinary postage.

The country offices are open from 9 a.m. to 6 p.m., except when mails arrive at a later hour; in which case they are open for an hour after such arrival, but not later than 8 p.m.

#### LETTERS.

*Town Letters.*—Not exceeding  $\frac{1}{2}$  oz., 1d.; for every additional  $\frac{1}{2}$  ounce or fraction of  $\frac{1}{2}$  ounce, 1d.

*Inland Letters.*—Not exceeding  $\frac{1}{2}$  oz., 2d.; for every additional  $\frac{1}{2}$  ounce or fraction of  $\frac{1}{2}$  ounce, 2d.

*Letters for New South Wales, Victoria, Western Australia, Tasmania, and New Zealand,* 2d. per  $\frac{1}{2}$  oz.

No charge whatever is made on the above-mentioned letters on receipt in this colony, provided they have been duly posted. Arrangements have been made with the colonies of New South Wales, Victoria, South Australia, Western Australia, and Tasmania, for the delivery of such letters at their final destination without farther charge.

*Letters to British Colonies and Foreign Countries (except in special cases as given)*—Not exceeding  $\frac{1}{2}$  oz., 6d.; for every additional  $\frac{1}{2}$  ounce or fraction of  $\frac{1}{2}$  ounce, 6d.

*Letters to and from the United Kingdom, via Southampton, by the Torres Straits or by the Melbourne route, or via Sydney and San Francisco.*—Not exceeding  $\frac{1}{2}$  oz., 6d.; and so on, increasing 6d. for every additional  $\frac{1}{2}$  ounce or fraction of  $\frac{1}{2}$  ounce. Letters forwarded *via* Brindisi are charged 8d. per  $\frac{1}{2}$  ounce.

#### PACKETS AND BOOKS.

*Packets of Gold transmitted within the Colony*—Not exceeding  $\frac{1}{2}$  oz., 4d.; for every additional  $\frac{1}{2}$  ounce or fraction of  $\frac{1}{2}$  ounce, 4d.

*Book Packets, Bunkers' Packets, Packets of Deeds, &c., Packets of Prices Current, &c., within the Colony*—Not exceeding 2 ozs., 1d.; for every additional 2 ounces or fraction of 2 ounces, 1d.

Packets containing Returns of Births, Baptisms, Marriages, and Deaths, may be transmitted unstamped, the postage being paid on delivery, if marked as containing such returns only, and signed by the clergyman or the district registrar transmitting them.

Packets open at each end, containing Printed Reports of the Proceedings of any Benevolent, Religious, or Charitable Institutions, when posted at any Post-office for delivery at such office, or at any place within the limits of the city or town in which such Post-office is situated—Not exceeding 2 ozs., 1d.; for every additional 2 ounces or portion of 2 ounces, 1d.

The Postage on all the above Packets, with the exception of Returns of Births, &c., must be prepaid by stamps.

In addition to Petitions or Addresses to Her Majesty, His Excellency the Governor, or any member of either Executive or Legislative Council or Assembly, the following may be transmitted through the Post-office in Queensland free of postage, viz.:—1. Savings Bank Books, from and to, and to and from depositors and the Treasury; applications made by depositors (Savings Bank) for acknowledgment of deposits; applications or necessary letters of inquiry respecting the sums deposited by them, and the replies thereto. 2. All letters on Government insurances and annuities business.

Provided, however, that the words "Government Savings Bank," "Government Annuities," or "Government Life Insurance," as the case may be, are legibly marked on the outside cover. 3. Intercolonial telegraph messages received and posted for delivery within the colony, when bearing endorsement on the cover to that effect, signed by the receiving electric telegraph officer in charge. 4. Packets (in covers open at the ends or sides, and the contents legibly endorsed thereon) containing votes and proceedings of the Parliament of Queensland, or the weekly parts of the Queensland Parliamentary debates, may be sent by post within the colony free of charge, provided they bear the date of issue from the office of the Government Printer, and are posted within seven days thereafter. All such packets, posted after the expiration of seven days from the date of issue from the office of the Government Printer shall be charged postage at ordinary rates for packets.

*Packets of Books, Samples, &c., for the United Kingdom, via Southampton, or via San Francisco*—Not exceeding 1 oz., 1d.; 2 ozs., 2d.; 4 ozs., 4d.; not exceeding  $\frac{1}{2}$  lb., 8d.; exceeding  $\frac{1}{2}$  lb., but not exceeding  $\frac{3}{4}$  lb., 1s.; exceeding  $\frac{3}{4}$  lb., but not exceeding 1 lb., 1s. 4d.; increasing 4d. for every additional  $\frac{1}{4}$  lb., or portion of  $\frac{1}{4}$  lb., up to 3 lb.

Packets of books and printed papers of every kind, posted in conformity with the regulations of the British Colonial Book Post, and addressed to the United Kingdom, may be forwarded in the closed mails despatched by way of Brindisi. The postage on such book packets, *sent via Brindisi*—1 oz., 5d.; 2 ozs. to 4 ozs., 6d.; and for every additional 4 ozs., up to 3 lbs., 6d. The postage must be prepaid by stamps, and the value of stamps affixed to a packet will be taken as an indication of the choice of route on behalf of the sender.

*Intercolonial Book Packets.*—Not exceeding 1 oz., 1d.; 2 ozs., 2d.; 4 ozs., 4d.; increasing 4d. for every additional 4 ozs. or portion of 4 ozs.

The following are the Rules which must be attended to in the transmission of book parcels:—1. No packet shall exceed two feet in length, and one foot in width and depth. 2. No packet shall exceed three pounds in weight. 3. With the above limitations, a packet may contain any number of separate books, almanacs, maps, or prints and any quantity of paper, vellum, or parchment. Every packet shall be sent open at the ends or sides, and either without a cover or in a cover or envelope open at the ends or sides; and there shall be no letter, either closed or open, nor any enclosure, sealed or otherwise closed against inspection, sent in or with any such packet; nor shall there be any letter, nor any communication in the nature of a letter, written or printed on the cover or envelope of any such packet. 5. The name and address of the sender may appear on the cover, as well as those of the party addressed; but this is not indispensable. 6. Should a packet be posted unpaid, or with a prepayment of less than a single rate, or be enclosed in a cover not open at the ends or sides, or should it exceed the dimensions or weight specified, such packet will be sent to the Dead Letter Office, and returned to the sender. 7. Should any letter, whether sealed or open, or otherwise closed against inspection, be found in a book packet, such letter or other enclosure will be forwarded, charged not only with the postage due upon it as an unpaid letter, but also with an additional single book post rate. The packet itself, in such case, will be forwarded, provided the postage shall have been duly paid, without any extra charge. 8. Where a book packet shall have been posted and insufficiently prepaid, and it shall appear that at least a single rate has been paid thereon, such packet will be forwarded, charged with an additional postage equal to the deficiency, and a further rate as a fine.



In cases where the number of such book parcels is unusually large, the Postmaster, in order to prevent interruption to the punctual despatch of the ordinary mails, is authorised to delay the transmission of such packets for three successive posts.

#### NEWSPAPERS.

Newspapers are transmitted within the colony and to the neighbouring colonies free of charge, if posted within seven days from the date of publication. If posted after that period, they are subject to a charge of one penny.

Newspapers for the United Kingdom are chargeable with one penny each, if intended for transmission *via* Southampton. *Via* Brindisi the postage is for every newspaper not exceeding 4 ozs., 2d.; and for every additional 4 ozs., 2d. each.

The postage on newspapers must be paid by affixing on the newspapers stamps of sufficient value, and no newspaper chargeable with postage will be forwarded unless fully prepaid.

#### MONEY ORDERS.

Money Orders may be obtained and made payable at the undermentioned places, on payment of the following charges:—

#### QUEENSLAND.

**MONEY ORDER OFFICES.**—*Allora, Alsatia, Aramac, Beenleigh, Blackall, Bowen, Brisbane, Bundaberg, Caboolture, Cairns, Cardwell, Charleville, Charters Towers, Clermont, Cleveland, Comet, Condamine, Cooktown, Copperfield, Crow's Nest, Cunnamulla, Dalby, Drayton, Emerald, Fernvale, Fortitude Valley, Gayndah, Georgetown, Gladstone, Goodna, Goondiwindi, Gympie, Inglewood, Ipswich, Jimna, Kingsborough, Leyburn, Lower Herbert, Mackay, Maryborough, Maytown, Millchester, Mount Perry, Murphy's Creek, Nanango, Nebo, Nerang Creek, Neureum, One-mile Creek, Pimpama, Palmer, Port Douglas, Ravenswood, Rockhampton, Roma, Sandgate, St. George, St. Lawrence, South Brisbane, Springsure, Stanthorpe, Surat, Tambo, Taroom, Tewantin, Thornborough, Tiaro, Toowoomba, Townsville, Warwick, Westwood, Yaamba*—For any sum not exceeding £2, 3d.; exceeding £2, but not exceeding £5, 6d.; exceeding £5, but not exceeding £7, 9d.; exceeding £7, but not exceeding £10, 1s.

INTERCOLONIAL.		s. d.	
<i>New South Wales</i>	{	For any sum not exceeding £5.....	1 0
<i>New Zealand</i>		Exceeding £5, but not exceeding £10.....	2 0
<i>South Australia</i>			
<i>Tasmania</i>			
<i>Victoria</i>			
<i>Western Australia</i>			
BRITISH.			
At any money	{	For any sum not exceeding £2.....	1 0
Order Office in the		Exceeding £2, but not exceeding £5.....	2 6
United Kingdom		„ £5, „ £7.....	3 6
		„ £7, „ £10.....	5 0

#### THE GERMAN EMPIRE AND HELIGOLAND (UNDER SPECIAL REGULATIONS).

For any sum not exceeding £2.....	2 0
Exceeding £2, but not exceeding £5.....	5 0
Exceeding £5, but not exceeding £7.....	7 0
Exceeding £7, but not exceeding £10.....	10 0

No single Money Order will be issued for a larger sum than Ten Pounds. Money Orders must be obtained between the hours of 10 a.m. and 3 p.m. The Money Order Office at the General Post Office is kept open on Saturdays, until 12 noon.



Lists of Money Order Offices in New South Wales, New Zealand, South Australia, Victoria, and the United Kingdom may be seen, and further information obtained, at any Money Order Office in Queensland.

\*Money Orders may be transmitted by telegraph to all Money Order Offices in Queensland, New South Wales, Victoria, and South Australia, having telegraphic communication. The charge is the usual charge for a message in addition to the usual commission.

### TELEGRAPH REGULATIONS.

#### SCALE OF CHARGES WITHIN THE COLONY.

Between any two stations within the Colony, one shilling for message of ten words, and one penny for each additional word.

#### QUEENSLAND STATIONS.

Brisbane, Allora, Allora Railway Station, Aramac, Banana, Beenleigh, Blackall, Bloomsbury, Bowen, Brisbane Railway Station, Bulwer, Bundaberg, Bundamba, Burdekin, Burnett Heads, Bustard Head, Caboolture, Cairns, Camboon, Cambooya, Cape Moreton, Cape Capricorn, Cape Bowling Green, Cardwell, Cashmere, Channing, Charleville, Charters Towers, Chinchilla, Clarke River, Clermont, Cleveland, Clifton, Collaroy, Colonial Secretary's Office (William street), Comet, Condamine, Cooktown, Cootharaba, Copperfield, Green Creek, Crow's Nest, Cunnamulla, Currawildi, Daloy, Dalby Railway Station, Dalrymple, Dee River, Drayton, Duaringa, Dulacca, Dungathu, Dunwich, Durah, Eagle Farm (during Race Meetings), Emu Creek, Emerald, Esk, Five-mile Camp, Flat-top Island, Fortitude Valley, Gatton, Gayndah, Georgetown, Gin Gin, Gilbert River, Gladstone, Goodna, Goondiwindi, Gowrie, Grandchester, Gympie, Harrisville, Hawkwood, Helidon, Herbert River, Highfields, Indooroopilly, Inglewood, Inskip Point, Ipswich, Ipswich Railway Station, Jimbour, Jondaryan, Junction Creek, Keppel Bay, Kilkivan (Neureum), Kimberley, Kingsborough, Laidley, Laura, Leyburn, Lytton, Mackay, Marlborough, Maroochie, Maryborough, Maytown, Miles, Millichester, Miriam Vale, Mitchell Downs, Munger, Murphy's Creek, Nanango, Nebo, Nerang, Nive, Normanton, Oakey Creek, Oxley, One-mile Creek, Palmerville, Parliament Houses (Brisbane, during Session), Port Douglas, Raglan, Ravenswood, Rockhampton, Roma, Rosewood, Sandgate, Sea Hill, Signal Station (Brisbane), South Brisbane, South Passage, Southport, Springsure, Stanthorpe, St. George, St. Lawrence, Surat, Tambo, Taroom, Tate River, Teneninger, Tewantin, Thornborough, Tiaró, Toowoomba, Toowoomba Railway Station, Toowong, Townsville, Walloon, Walsh River, Warra, Warwick, Warwick Railway Station, Waterview, Westwood, Woody Island, Works Department, (Brisbane), Wyandotte, Yaamba, Yengarie.

#### INTERCOLONIAL TELEGRAPH.

From Queensland Stations—

To New South Wales, ten words, 2s. ; each additional word, 2d. To Victoria, ten words, 3s. ; each additional word, 3d. To South Australia, excepting overland line from Port Augusta to Port Darwin, ten words, 3s. ; each additional word, 3d. To stations on overland line: Alice Springs, ten words, 8s. ; each additional word, 8d. Barrow's Creek, ten words, 9s. ; each additional word, 9d. Charlotte Waters, ten words, 7s. ; each additional word, 7d. Daly Waters, ten words, 12s. ; each additional word, 1s. Katherine, ten words, 13s. ; each additional word, 1s. Peake, ten words, 5s. ; each additional word, 5d. Pine Creek, ten words, 13s. ; each additional word, 1s. Port Darwin, ten words, 13s. ; each additional word, 1s. Powell's Creek, ten words, 11s. ; each additional word, 11d. Strangway's Springs, ten words, 5s. ;

each additional word, 5d. Southport, ten words, 13s.; each additional word, 1s. Tennant's Creek, ten words, 10s.; each additional word, 10d. Yam Creek, ten words, 13s.; each additional word, 1s. To Tasmania, (only ten words allowed free for address and signature) ten words, 8s.; each additional word, 9d. To New Zealand, ten words (address and signature included in the counting), 10s. 6d.; each additional word, 1s.

One-half ordinary charges for Press messages intended for publication, excepting to the Colony of New Zealand. Press business exempt from additional charge for transmission after ordinary office hours.

#### NEW SOUTH WALES STATIONS.

Adaminiby, Adelong, Albury, Anvil Creek, Arakoon (Trial Bay), Araluen, Armidale, Ashfield, Ballina, Balmain, Balranald, Baradine, Barraba, Barranjoey, Barrington, Bateman's Bay, Bathurst, Bega, Bendemeer, Berrima, Bethunga, Binalong, Bingera, Blacktown, Blayney, Blue Mountain, Boggabri, Bombala, Bodalla, Booligal, Bourke, Bowenfells, Bowning, Bowrall, Braidwood, Braxton, Brewarrina, Breadalbane, Broke, Broughton's Creek, Brush Grove, Bulli, Bulahdelah, Bundarra, Bungendore, Burrawang, Bungwall Flat, Burrowa, Burwood, Camden, Campbelltown, Canelo, Cannonbar, Carcoar, Casino, Cassillis, Central Kempsey, Clarence River Heads, Clarence Town, Clifton (Coal Cliff), Cobargo, Condobolin, Coolah, Cooma, Coonabarabran, Coonamble, Cooranbong, Cootamundra, Copeland North, Copmanhurst, Coraki (Richmond River), Corowa, Cowra, Croki (Manning River), Cundlehaven, Deepwater, Deniliquin, Denman, Douglas Park, Dubbo, Dungog, Eden, Edgecliff (Woolahra), Eurobodalla, Euston, Fairfield Railway Station, Ferimount, Frederickton, Forbes, Germanton, George's Plains, Gladesville, Gladstone, Glebe, Glebe Island, Glen Innes, Gloucester, Gongolgon, Goodooga, Gosford, Goulburn, Grafton, Grafton South, Greenwell Point (Shoalhaven), Grenfell, Gulugong, Gundagai, Gunnedah, Gunning, Hay, Haymarket, Hill End, Hillston, Homebush, Howlong, Hunter's Hill, Inverell, Jerry's Plains, Jervis Bay, Jereelderie, Jordan's Crossing, Junee Railway Station, Kelso, Kempsey (Central), Katoomba, Kiama, Kiandra, King Street, Kyamba, Kynnumboon, Lambton, Lawrence, Lismore, Lithgow, Liverpool, Lochinvar, Louth, Lucknow, Macquarie Plains, Macleay Heads, Maitland (East), Maitland (West), Manilla, Manning River Heads, Manly (Branch Office), Marsden, Marulan, Menindie, Merriwa, Merimbula, Michelago, Miller's Point (Branch Office), Millie, Milton, Mittagong, Moama, Molong, Molonglo, Morangerell, Moree, Morpeth, Moruya, Moss Vale, Moulamein, Mount Victoria, Mount Wilson, Mudgee, Muriwillimbah (Kynnumboon), Muswellbrook, Murrumbidgee, Murrumburrah, Nambucca, Narrabri, Narrandera, Nelligen, Nelson's Bay, Newbridge, Newcastle, Newton Boyd, Newtown, Nimitybelle, North Wagga, Nowra, Nulla Nulla, Orange, Oxford Street, Paddington, Palmer's Island, Parkes, Park Street, Parramatta, Parramatta Street, Parramatta Junction, Parramatta Railway Station, Paterson, Penrith, Petersham, Picton, Pilliga, Pooncarie, Port Macquarie, Port Stephens, Queanbeyan, Quirindi, Randwick, Raglan, Raymond Terrace, Redfern, Richmond, Robertson, Rocky Mouth, Rockley, Rookwood, Rutherford's (Barrington), Rylstone, Rydall, Ryde, Scone, Seal Rocks, Seven Hills, Singleton, Smithtown, Springwood, Sofala, South Grafton, South Head, St. Alban's, St. Leonards, St. Mary's (South Creek), Stroud, Sydney, Tabulam, Tamworth, Tarana, Tarcutta, Taree, Tenterfield, Terara, Tingha, Tinonee, Tumberumba, Tumut, Ulladulla, Ullmarra, Urana, Uralla, Vegetable Creek, Wagga Wagga, Wagga Railway Station, Walcha, Wallabadah, Wallerawang, Walgett, Wallsend, Waterloo, Waratah, Wardell, Warialda, Warkworth, Warren, Waverley, Wee Waa, Wellington, Wentworth, West Kempsey, West Tamworth, Wickham, Wilcannia, William Street,

Willow Tree (Warrah), Windsor, Wingham, Wiseman's Ferry, Wollombi, Wollongong, Wolumla, Woodburn, Yass, Yetman, Young.

#### VICTORIAN STATIONS.

Meibourne, Alexandra, Ararat, Avenel, Avoca, Bacchus Marsh, Bairnsdale, Ballan, Ballarat, Ballarat East, Balmoral, Beaconsfield, Beaufort, Beechworth, Belfast, Benalla, Berwick, Birregulla, Branxholme, Bridgewater, Bright, Brighton, Brunswick, Buln Buln, Buninyong, Camperdown, Cape Otway, Cape Schanck, Carlton, Caranoot, Carisbrook, Casterton, Castlemaine, Charlton East, Chewton, Chiltern, Clunes, Coburg, Colac, Coleraine, Collingwood, Cranbourne, Creswick, Cudgee, Custom House, Melbourne (Receiving Office), Dandenong, Daylesford, Donald, Dromana, Drouin, Dunolly, Durham Ox, Eaglehawk, Elaine, Echuca, Eldorado, Eltham, Emerald Hill, Fitzroy, Fitzroy North, Flemington, Flemington cattle-yards, Flinders, Footscray, Fryerstown, Gaffney's Creek, Geelong, Glenorchy, Glen Thompson, Goornong, Gordons, Guildford Railway Station, Hamilton, Harrow, Heathcote, Heidelberg, Hawthorn, Heywood, Hobson's Bay Railway Station, Hexham, Horsham, Hotham, Inglewood, Ivanhoe, Jamieson, Kerang, Kew, Kilmore, Koroit, Kyneton, Lancefield, Learmonth, Lilydale, Lintons, Longwood, Lorne, Maffra, Majura, Maldon, Malmesbury, Malvern, Mansfield, Maryborough, Melton, Meredith, Merino, Middleton (Apollo Bay), Moe, Mordialloc, Mornington, Morwell, Mortlake, Mount Blackwood, Mount Egerton, Murchison, Myrning, Myrtleford, Nagambie, Newstead, New Gisborne, Northcote, Oakleigh, Pakenham, Parliament House, Port Albert, Portland, Portsea, Penshurst, Piggoreet, Prahran, Preston, Public Offices, Queenscliff, Richmond, Richmond South (Receiving House), Rochester, Rokewood, Rosedale, Rushworth, Rutherglen, Romsey, St. Arnaud, St. Kilda, St. Kilda Railway Station, Sale, Sandhurst, Sandridge, Sandridge West, Scarsdale, Sebastopol, Serpentine Creek, Seymour, Skipton, Smythesdale, Sorrento, South Yarra, Stawell, Stockyard Creek, Stratford, Streatham, Swan Hill, Talbot, Tarsdale, Tarnagulla, Tarraville, Terang, Toongabbie, Toorak (Receiving House), Traralgon, Vaughan, Waddilah (Leigh rd.) Wahgunyah, Wallalla, Wangaratta, Warnambool, Wedderburn, Whittlesea, Williamstown, Wilson's Promontory, Winchelsea, Wodonga (Belvoir), Wood's Point, Yackandandah, Yan Yean, Yea. *Railway Circuit.*—Avenel, Avoca, Ararat, Ballarat West, Bealiba, Beaufort, Beechworth, Benalla, Berwick, Broadford, Bunyip, Castlemaine, Chiltern, Clune, Colac, Condah, Craigieburn, Dandenong, Dunkeld (Messenger), Dunolly, Echuca, Elmore (Messenger), Elphinstone, Essendon, Euroa, Glenorchy Railway Station, Geelong, Hamilton, Inglewood, Keilor Road, Kilmore, Kyneton, Lancefield road, Lara, Little River, Macedon, Maryborough, Moe Railway Station, Murtoa, Newmarket, Newstead, Oakleigh, Portland, Riddell's Creek, Rutherglen, Sale, Sandhurst, Seymour, Spencer-street, Springs, Stawell, Sunbury, Tallarook, Traralgon, Violettown, Wahgunyah, Wallan Wallan, Wangaratta, Warragul, Werribee, Williamstown Junction, Williamstown Railway Pier, Winchelsea, Wodonga, Woodend (Messenger), Yendon.

#### SOUTH AUSTRALIAN STATIONS.

Adelaide, Adelaide Railway, Alberton, Aldinga, Alice Springs, Argaston, Androssan, Auburn, Barrow's Creek, Balaclava, Beachport, Beltana, Blanchetown, Blinman, Blumberg, Bowden, Callington, Caltowie, Cape Jervis, Cape Borda, Charlotte Waters, Clare, Crafrers (Sterling East), Crystal Brook, Daly Waters, Dry Creek, Echunga, Edithburg, Eden Valley, Eudunda, Farina (Gov. Gums), Farrell's Flat, Fowler's Bay, Freeling, Gawler Town, Gawler Railway, Georgetown, Gladstone, Glenelg, Goolwa, Greenock, Gumeracka, Hahndorf, Hamley Bridge, Hallett, Hoyleton, James Town, Kadina, Kapunda,

Kapunda Railway, Katherine, Kingston, Kingscote, Koorunga, Langhorne's Bridge, Laura, Lobethal, Lyndoch, Lucindale, Macclesfield, MacDonnell Bay, Manoora, Manum, Maitland, Meningie, Marrabel, Melrose, Middleton, Milang, Millicent, Minlaton, Mintaro (Central), Mintaro Railway, Moonta, Mount Barker, Mount Gambier, Mount Pleasant, Mount Torrens, Nairne, Narracoorte, Narridy, Noarlunga, Normanville, North Adelaide, North Adelaide Railway, North-West Bend (Morgan), Norwood, Nuriootpa, Overland Corner, Palmer, Peake, Peninsula, Penola, Pine Creek, Port Adelaide, Port Adelaide Railway, Port Augusta, Port Darwin, Port Elliott, Port Lincoln, Port Pirie, Port Wakefield, Powell's Creek, Port Victoria, Red Hill, Redruth, Reedy Creek, Riverton (Central) Riverton Railway, Robe Town, Roseworthy, Saddleworth (Central), Saddleworth Railway, Salisbury, Smithfield, Southport, Stansbury, Stockport, Stockwell, Strathalbyn, Strangway's Springs, Streaky Bay, Tarunda, Tarlee, Tenant's Creek, Truro, Two Wells, Victor Harbor, Virginia, Wallaroo, Warooka, Wasley's, Watervale, Wellington, Willunga, Wilmington, Woodside, Woodville, Yam Creek, Yankalilla, Yorketown.

## TASMANIAN STATIONS.

Hobart Town, Avoca, Annull Ponds, Bishopsbourne, Buckland, Brighton, Brown's River, Bothwell, Bridgewater, Carrick, Campania, Circular Head, Corners, Campbell Town, Cleveland, Don, Deloraine, Exton, Evandale, Emu Bay, Fingal, Franklin, Forth, Falmouth, Green Ponds, George's Bay, Georgetown, Hamilton, Hospital Bay, Jerusalem, Kingston, Launceston, Leven, Latrobe, Longfords, Low Heads, Mount Nelson, Melton Mowbray, Macquarie Plains, Nine-mile Springs, New Norfolk, Oatlands, Ouse, Oyster Cove, O'Brien's Bridge, Penguin, Peppermint Bay, Port Cygnet, Perth, Port Esperance, River Cam, Richmond, Ross, St. Mary's, Southport, Sorell, Spring Bay, Swansea, Tunbridge, Torquay, Table Cape, Three Hut Point, Victoria, Westbury.

## NEW ZEALAND STATIONS.

Wellington, Abbotsford, Alaura, Akaroa, Alexandra Vincent, Alexandra Waipa, Amberley, Arrow, Ashburton, Auckland, Balclutha, Bealey, Blenheim, Blueskin, Bluff, Bull's, Burnham, Cambridge, Carterton, Castlepoint, Caversham, Chertsea, Charleston, Cheviot, Christchurch, Clinton, Clyde, Coalgate, Coromandel, Cromwell, Cust, Driving Creek, Drury, Dunedin, Dunedin North, Dunedin Railway Station, Dunsandel, Duntoon, Edendale, Elbow, Farndon, Featherston, Fielding, Foxhill, Foxton, Geraldine, Gisborne, Gore, Grahams town, Greymouth, Greytown, Halcombe, Hamilton, Hampden, Hastings (Thames), Hastings (Hawke's Bay), Havelock, Hawera, Helensville, Herbert, Hokianga, Hokitika, Hornby, Horndon Junction, Hurunui, Hutt, Inglewood, Invercar, Kaipoi, Kaikoura, Kaitangata, Kakanui, Katikati, Kawakawa, Kekerangu, Kihikihi, Kingston, Kopera, Kumara, Lawrence, Leithfield, Longbush, Longford, Lyell, Lyttleton, Maketu, Malvern, Manuka Creek, Manukau Heads, Manutahi, Marton, Masterion, Matuara, Mercer, Miranda, Mohaka, Mongonui, Mosgiel, Motueka, Napier, Naseby, Nelson, Newmarket, New Plymouth, Ngaruawahia, Oamaru, Ohacawai, Okato, Onehunga, Ophir, Opotiki, Opunake, Orari, Oreti, Otago Heads, Otahuhu, Otaki, Outram, Oxford, Palmerston, Palmerston North, Patea, Picton, Pokeno, Porangahau, Port Chalmers, Pukekohe, Queenstown, Rakaia, Rangiora, Rangitata North, Reefton, Richmond, Riverhead, Riverton, Rolleston, Ross, Rotorua, Roxburgh, Russell, Sanson, Sheffield, Southbridge, Spit (Hawke's Bay), Springdon, St. Bathans, Stirling, Takapau, Tapanui, Tarawera, Taupo, Tauranga, Te Awamutu, Temuka, Te Nui, Timaru, Tokomairiro, Tophouse, Turakina, Upper Hutt, Waiau, Waihi, Waiholā,



Waikaia, Waikouaiti, Waimate, Waimate Junction, Wainui, Waipahi, Waipawa, Waipu, Waipukurau, Wairoa, Waitahuna, Waitaki, Waitara, Waitotara, Wainku, Waiwera, Wakapuaka, Wakefield, Wanganui, Wangarei, Warkworth, Washdyke, Waverley, Government Buildings (Hutt), Westport, Whangaroa, White's Bay, Winslow, Winton.

#### WEST AUSTRALIAN STATIONS.

Albany (King George's Sound), Arrino, Birkshire Valley, Beverley, Bremer Bay, Bunbury, Busselton, Carnamah, Dougarr, Esperance Bay, Eucla Harbour (Border Station), Eyre, Fremantle, Geraldton, Champion Bay, Greenough, Guildford, Israelite Bay, Kojonup, Newcastle, New Norcia, Northam, Northampton, Perth (Head Office), Pinjarrah, Williams River, York.

#### INTERNATIONAL TELEGRAPHIC COMMUNICATION *via* SOUTH AUSTRALIAN OVERLAND LINE.

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	£ s. d.		£ s. d.
Aden ... ..	0 10 5	India (stations east of Chittagong)	
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Belgium ... ..	0 10 10	Japan (Nagasaki) ... ..	0 11 8
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(Amoy) ... ..	0 10 0	Penang ... ..	0 5 10
(Shanghai) ... ..	0 10 0	Russia in Asia ... ..	0 11 10
Cochin China ... ..	0 7 1	Singapore ... ..	0 5 10
Egypt ... ..	0 11 8	Turkey in Asia, seaports ... ..	0 9 7
Europe ... ..	0 10 10	"  " inland ... ..	0 9 10
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Auditor-General—W. L. G. Drew. Accountant—G. C. Horstmann.



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 Board, Richard, Redcliff  
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 Bonarius, Henry, Maryborough  
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 Borton, Frederick, Burrandowan  
 Bourcieault, A. L., Rockhampton  
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 Bracker, Henry, Warroo  
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 Buchanan, J., P.M., Armidale, N.S.W.  
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 Burne, Henry, Maranoa District  
 Burnett, Gilbert, Cleveland  
 Busch, Ernst, Toowoomba  
 Butler, William, Kilcoy  
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 Clark, George, Warwick  
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 Clarke, G. E., Charters Towers  
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 Collins, W. C., Toivilla, Rockhampton  
 Colman, Frederick, Bundaberg  
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 Connolly, John, Gayndah  
 Conrick, John, Cooper's Creek  
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 Cory, G. G., Cecil Plains  
 Cory, Henry, Tocal, Thompson  
 Costello, John, Cooper's Creek  
 Cottell, Richard James, Roma  
 Cotton, J. C., Currawilla, Jundah  
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 Coutts, Thomas, North Toolburra  
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 Cowley, Alfred, Sandhills, Herbert R.

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 Cowlshaw, The Hon. J., Brisbane  
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 Cran, Robert, Yengarie, Wide Bay  
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 Craven, Richard, Charters Towers  
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 Crawford, William, Toowoomba  
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 Cunningham, Edward, Melonglory  
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 Dangar, Thomas Gordon, Maranoa  
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 Darvall, Frederick Orme, England  
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 Davenport, George H., Toowoomba  
 Davidson, John Ewan, Mackay  
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 Davy, John, Beenleigh, Albert River  
 Dawson, R., P.M., Cooma, N.S.W.  
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 Day, William Henry, Brisbane  
 Day, William, Pyrmont, Sydney  
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 Deane, John, Charters Towers  
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 Deighton, Edward, Brisbane  
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 De Salis, Leopold W. F., Strathmore  
 De Satgé, Oscar, Toowoomba  
 Desgrand, Vincent, Blackall

- Devereux, Hon. H. de B., Clermont  
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   of Border Customs Patrol  
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 Dowzer, James, Tiaro  
 Doyle, R., Tookabarroo, Wilson River  
 Drew, William L. G., Brisbane  
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 Edwards, Richard, Brisbane  
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 Farrelly, John, Ipswich  
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 Feez, Albrecht, Rockhampton  
 Feilberg, Carl Adolph, Brisbane  
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 Ferguson, John, Rockhampton  
 Ferrett, John Wallan, Condamine  
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 Fitz, Henry Bates, Brisbane  
 Fitzgerald, Thomas Henry, Maranoa  
 Fitzpatrick, Michael, Sydney, N.S.W.  
 Fleming, Robert, Toowoomba  
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 Flood, Walter, Charleville  
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 Foote, The Hon. J. C., Ipswich  
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 Forrest, Edward Barrow, Brisbane  
 Forrest, William, Wombah, Kolonga  
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 Forsythe, William, Malvern Downs  
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 Fountain, Stephen, Burpengary  
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 Fryar, William, Brisbane  
 Fullerton, George, Sydney, N.S.W.  
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 Gaden, William Henry, Gladstone  
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 Gannon, J. T., Goulburn, N.S.W.  
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 Gargett, John, Toowoomba  
 Garnett, Herbert, Mitchell  
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 Gibson, William, Canindah, Burnett  
 Giffin, George James, Cardwell  
 Gilchrist, John O., Sydney, N.S.W.  
 Gill, Francis, Gympie  
 Gillespie, Adam C., Orion Downs  
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 Glass, James, Talavera, Maranoa  
 Godsall, Richard, Toowoomba  
 Goertz, Ernest, Brisbane  
 Goodall, William R., P.M., Mackay  
 Goodchap, Frederick, Gympie  
 Goodwin, A. M., Bundaberg  
 Gordon, Andrew, Vindex  
 Gordon, Frederick, Townsville  
 Gordon, Henry, Tahiti, Wide Bay  
 Gordon, James, Townsville  
 Gordon, James, North Pine River  
 Gordon, Samuel Thomas, Lilyvale  
 Gore, Sir St. George Ralph, Bart., Bris.  
 Gore, F. A., Yandilla  
 Gore, R. W. (R.N.), Tummaville  
 Gordon, Andrew, Vindex  
 Gorry, Christopher, Ipswich  
 Govett, John, Barcoo River  
 Govett, Robert, Portland Downs  
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 Graham, J. B., P.M., Tenterfield  
 Graham, John L., Upper Calliope  
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 Graham, Robert William, Mackay  
 Graham, William, Toowoomba  
 Grant, Alexander, Rockhampton  
 Grant, Alexander O., Burke, N.S.W.  
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 Gray, Henry Jardine, Maryborough  
 Gray, R., Immigration Agent, Bris.  
 Gray, Robert, Flinders River  
 Gray, Samuel W., Currumbene Creek  
 Greathead, G., Bundaberg  
 Green, G. H., Sydney  
 Green, Charles Henry, Warwick  
 Green, W. B., Moonda Waanga, N'g'o  
 Greene, Rawdon, Peak Downs  
 Greenham, John, junior, Ipswich  
 Greenside, J. R., Rose Hill, Pimpama  
 Greenup, A. M., Tenterfield, N.S.W.  
 Gregory, A. C., C.M.G., Brisbane  
 Gregory, N. T. R., Toowoomba  
 Gregory, The Hon. F. T., Darling O.  
 Gregson, J., Rainworth, Leichhardt  
 Griffith, Edward, junior, Sydney  
 Griffith, Hon. Samuel W., Brisbane  
 Griffiths, George Neville, Sydney  
 Grimes, George, Brisbane  
 Grimes, James Watts, Toowoomba  
 Grimes, Samuel, Oxley  
 Grimes, Thomas, Spring Creek  
 Groom, William Henry, Toowoomba  
 Gruchy, John William de, Highfields  
 Gulland, James, Ipswich  
 Gunn, Donald, Pikedale  
 Haines, John, Western River  
 Hall, George, Enoggera  
 Hall, Thomas S., Rockhampton  
 Hall, Walter Russell, Sydney  
 Halloran, A. E., Sheriff, Brisbane  
 Halloran, A. T., Townsville  
 Haly, Charles Robert, Ipswich  
 Hamilton, Alexander G., Bundaberg  
 Hamilton, James, Dunwich  
 Hamilton, John, Gympie  
 Hamilton, Terriek, Tambo  
 Hamilton, Thomas, London  
 Hammond, H., Fort Bourke, N.S.W.  
 Hammond, H. W., Balonne River  
 Hanmer, Thomas, Talgai, Warwick  
 Hann, William, Kennedy  
 Hannel, James, Newcastle, N.S.W.  
 Hanran, Patrick Francis, Townsville  
 Hardaker, Benjamin, Stanthorpe  
 Harden, Charles, Rockhampton  
 Hardgrave, John, Brisbane  
 Hardgrave, Stephen, Moggill  
 Harding, Elias, junior, Grassmere  
 Harding, T., Connemara, Gregory N.  
 Hargreaves, Ebenezer W., Ipswich  
 Harland, J. N., Gilberton  
 Harlin, Thomas, Melbourne  
 Harpur, Richard D. S., Gladstone  
 Harrington, W. F., Maryborough  
 Harriott, T. W., C.C.L., Armidale  
 Harris, George, Brisbane  
 Hart, John, Adelaide  
 Hart, Hon. Frederick H., Brisbane  
 Hartley, W. J., Cooktown  
 Hartmann, Charles H., Toowoomba  
 Hastings, Joseph, Somerset  
 Hatfield, Thomas, Clermont  
 Hawthorne, James, Gladstone  
 Harland, J. N., Gilberton



- Hayes, William H., Warwick  
 Haygarth, John, Upper Logan  
 Haylock, Alfred, Sonoma, Burdekin  
 Hays, E. P. W., Richmond Downs  
 Hazard, R., Ballallynd, Moonie River  
 Head, E. A., Townsville  
 Headrick, John, Rockhampton  
 Heath, George Poynter, Brisbane  
 Helsham, Douglas, Wide Bay  
 Hemmant, William, England  
 Henderson, James, Tantitha  
 Hendren, William, Ipswich  
 Hendren, W. F., Copperfield  
 Henning, Edward B., Sydney, N.S.W.  
 Henry, Alfred, P.M., Clermont  
 Henry, Ernest, Burke  
 Henry, D., Kingsborough  
 Herbert, Arthur Orpen, Brisbane  
 Herbert, Robert G. W., London  
 Hertzberg, Adolphus M., Roma  
 Hetzer, Martin, Saxby River, Burke  
 Heussler, Hon. John C., Brisbane  
 Hewitt, Alfred, Mackay  
 Hickson, W. M. C., Ravenswood  
 Higginson, James C., Moura  
 Hill, Charles Lumley, Barcoo River  
 Hill, Henry Edward, Fassifern  
 Hill, James, Boulamain  
 Hill, T., Eurambah, Narran River  
 Hill, William R. O., Byerstown  
 Hinchcliffe, J. H., Beenleigh  
 Hislop, George, Clermont  
 Hobbs, Hon. William, Brisbane  
 Hobler, Francis H., Westwood  
 Hobson, Francis James, Butgoo  
 Hocker, J. H., Kangaroo Point  
 Hockings, Albert John, Brisbane  
 Hodgkinson, W. C., Georgetown  
 Hodgson, Arthur, C.M.G., London  
 Holberton, F. H., Toowoomba  
 Holberton, W. St. John, Blackall  
 Holden, F. W., Glenprairie  
 Holmes, A. S., Albert River  
 Holt, Walter Henry, Weelwandangie  
 Holt, W. H., Kolonga, Gayndah  
 Hood, A., Currawinga, Paroo River  
 Hooper, Harry, Gatton  
 Hope, Hon. Louis, Cleveland  
 Hopkins, Edward Box, Goodar  
 Hopkins, Richard A. R., Wamba  
 Hopkinson, Joseph, Thornborough  
 Horrocks, Chas. C., Maryborough  
 Horsburgh, G., sen., Maryborough  
 Horsley, Chas. J., Pillaga, N.S.W.  
 Horwitz, Jacob, Warwick  
 Hoskin, Thos., Mount Perry  
 Howard, George, Maryborough  
 Howie, John Hastie, Gregory  
 Howie, W., Noorama, Cunnamulla  
 Howlin, James, Toowoomba  
 Howlin, William, Dalby  
 Hubbard, Alfred, Brisbane  
 Hudson, Beresford, Leyburn  
 Huesman, Augustus, Brisbane  
 Hughes, H. M., Wambah, Gin Gin  
 Hughes, Joseph, Townsville  
 Hughes, John M., Bowen  
 Hughes, William, Brisbane  
 Hughes, R. M., Fort Burke, N.S.W.  
 Hull, J., Trebonne Ck., Lr. Herbert  
 Hume, Walter C., Toowoomba  
 Hunt, James, Daandine  
 Hunter, M., Redford, Maranoa  
 Hunter, James, Brisbane  
 Hunter, Robert M., Rockhampton  
 Hunter, William, St. George  
 Hurst, William, Melbourne, Victoria  
 Hutchinson, Albert M., Ipswich  
 Hyde, Frederick H., Tambo  
 Hyne, W., Mackay  
 Ibery, T., Nacalinga, Wilson River  
 Illidge, Thomas, Brisbane  
 Irving, Wm. Howe, Maryborough  
 Isambert, John, Ipswich  
 Jackson, Thomas, Kingsborough  
 Jackson, William G., Rockhampton  
 James, George V., Cardwell  
 Jameson, Robert, jun., Bulimba  
 Jamison, H., Mt. Emu Plains, Burke  
 Jardine, Frank L., Somerset  
 Jaffray, Murdo, N.S.W.  
 Jenkins, Richard L., Callandoon  
 Jenkins, William V., Callandoon  
 Jennings, P.A., Westbrook, D. Downs  
 Jessop, John Shillito, Dalby  
 Jeune, Evan Browell, Bundaberg  
 Johnstone, David F., Kolan  
 Johnstone, Samuel, Bundaberg  
 Johnstone, J. W., Roma  
 John, J., Specimen Gully  
 Jones, David M., Georgetown  
 Jones, George Heys, Boonara  
 Jones, Henry, Rockhampton  
 Jones, H. J., Bowen  
 Jones, Lloyd, Bulloo River  
 Jones, Richard, Mount Perry  
 Jones, J. B., Cape River  
 Jordan, Henry, Brisbane

Joseph, Henry, Gympie  
 Josephson, T. F., Albinia Downs  
 Joyner, William C., Samson Vale  
 Kates, Francis, Allora  
 Kaye, Samuel, Toowong  
 Keane, John, Supreme Court  
 Keeley, Charles, Mackay  
 Keith, William, Maryborough  
 Kelk, E., Brisbane  
 Kellett, William, Gatton  
 Kelly, T. J., Charters Towers  
 Kelsey, Joseph F., Bowen  
 Keillar, H., Houghton River  
 Kemball, A. C., Sydney, N.S.W.  
 Kennedy, H., Sydney, N.S.W.  
 Kennedy, Thomas, Allora  
 Kent, William Henry, Brisbane  
 Keogh, D. T., Ipswich  
 Keogh, F. T. F., Brisbane  
 Kerr, R., Tower Hill, Mitchell  
 Kerr, Richard, Murphy's Creek  
 Kidgell, James G., Gympie  
 Kilgour, Wm., Gordon Downs  
 Kilner, Frederick, Rockhampton  
 King, George, Sydney, N.S.W.  
 King, George Beresford, Gowrie  
 King, Henry Edward, Brisbane  
 King, J. G., P.M., Casino, N.S.W.  
 King, Wm. S., Sydney, N.S.W.  
 Kingsford, Richard Ash, Brisbane  
 Kirk, George Marshall, St. George  
 Kirk, James, Charters Towers  
 Kirk, William, Townsville  
 Knox, Thomas Forster, N.S.W.  
 Lacy, Dyson, Aramac  
 Lclor, James, Roma  
 Lamb, Charles, N.S.W.  
 Lamb, Edw. W., Sydney, N.S.W.  
 Lambert, Hon. W. F., Rockhampton  
 Lamond, William O., Rockhampton  
 Landsborough, William, Brisbane  
 Landy, Patrick, Dalby  
 Lane, J. P., Severn River, Stanthorpe  
 Lang, Gilbert, Brisbane  
 Langhorn, George C., Carabah  
 Laurie, Robert, Gympie  
 Lee, Robert, Clermont  
 Lee, Archibald, P.M., Nanango  
 Leigh, George M., Rockhampton  
 Lenneberg, Theodor, Pimpama  
 Lethbridge, R. C., Forest Vale  
 Lethem, Basil Robertson, Pine River  
 Lewis, T. W., Hamilton River  
 Lillis, Patrick, Gympie

H\*

Little, C. W., Kilcumming  
 Little, W. C., Thoraborough  
 Littleton, John Thomas, Toowoomba  
 Littleton, Hon. H. S., Gingoomgan  
 Livermore, E. P., Rockhampton  
 Living, John, Port Curtis  
 Lloyd, Edward H., Redbank, Burnett  
 Lockwood, Thomas, Brisbane  
 Loder, Thomas Andrew, Mungallala  
 Long, Edward Maitland, Brisbane  
 Looker, G. A., Stambur, D., Aramac  
 Lord, Frederick, Darling Downs  
 Lord, Simeon, Brisbane  
 Lossberg, Henry Von, Ipswich  
 Low, Jacob, Welltown, McIntyre R.  
 Lucock, Henry, Oxley  
 Lukin, George Lionel, Brisbane  
 Lukin, Gresley, Brisbane  
 Luya, Abraham F., Cootharaba  
 Lyall, Robert, Galara, L. Herbert  
 Lyon, George Owen, Paroo River  
 Macalister, Hon. A., C.M.G., London  
 Macarthur, Patrick, P.M., Bowen  
 Macartney, J. A., Waverley  
 Macartney, Sir John, Bart., St. Helen's,  
 South Kennedy  
 Macartney, W., Bloomsbury  
 MacCarthy, E. R. N., Port Douglas  
 MacDermott, Henry, Rockhampton  
 Macdonald, A. C., Geelong, Victoria  
 Macdonald, C. L., Logan River  
 Macdonald, J. G., P.M., Springsure  
 Macdonald, Neil Hugh, Mount Mar-  
 garet, Wilson River  
 Macdonald, John, Hidden Valley  
 Macdonald, Pater Fitzallan, Yamba  
 Macdonald, R. S. G., Balmagowan  
 Macdonald, W. M., Flinders River  
 Macdonald, J., Charters Towers  
 MacDonnell, Edmund, Brisbane  
 Macfarlane, Henry Taylor, Roma  
 Macfarlane, John, Ipswich  
 Macfarlane, John, Rockhampton  
 MacFarlane, John, Leichhardt  
 MacGregor, Duncan, Mt. Margaret  
 MacGroarty, B. C., P.M., Normanton  
 Macintosh, D., Glencairn  
 Macintosh, J., Freestone Creek  
 Mackay, Angus, Brisbane  
 Mackay, Colin, Morinish  
 Mackay, Eric Henry, Huntly Downs  
 Mackay, John, Clermont  
 Mackellar, A., Richmond R., N.S.W.  
 MacNeely, Hugh, Rockhampton

- MacPherson, Angus, Amby Downs  
 MacPherson, Lachlan, Emu Creek  
 Macrossan, Hon. J. Murtagh, Bris.  
 MacTaggart, M., P.M., Walgett, NSW  
 McArthur, John, Glenelg, Warwick  
 McAuley, Peter Milling, Boombah  
 McBurney, Robert, Mackay  
 MacCleverty, George, Darling Downs  
 McConnel, D., Cressbrook, Ipswich  
 McConnel, John, Durundur  
 McConnel, J. H., Cressbrook  
 McCord, W. F., Cocnambula, Gayn'h  
 McDonald, Archibald, Cunnamulla  
 McDonald, H., Fraser's Ck., Ashford  
 McDonald, J. McPherson, Calland'n  
 McDonnell, John, Brisbane  
 McDougall, D'Arcy T., Cooyar  
 McDougall, Edwin, St. George  
 McDougall, M. S., Lyndhurst, W'w'ck  
 McDougall, Hon. J. F., Rosalie Plains  
 McDowall, Archibald, Maryborough  
 McGhie, James, Gympie  
 McGillivray, G., Eddington, Bourke  
 McGregor, Samuel, Ipswich  
 McHugh, Patrick, Logan Reserve  
 McIlwraith, Hon. Thomas, Brisbane  
 McIntyre, Joseph S., Toowoomba  
 McIntosh, D., Glencairn  
 McKay, D. C., Nindigully, Moonie R.  
 McLean, Peter, Beenleigh  
 McLennan, John, Brisbane  
 McMaster, John, Brisbane  
 McPhail, A., Emu Creek, D. Downs  
 McPherson, John, Rockhampton  
 McWhannell, Thos., Rodney Downs  
 Macdonald, John, Charters Towers  
 Mailer, Robert, Durham Downs  
 Major, T., Dalgangul, Burnett  
 Manchee, J. C., Doondie, Maranoa  
 Manchester, Thomas, Bundaberg  
 Manifold, W. S., Sessania  
 Mann, George Hay, Melbourne  
 Manuka, J. A., Wills Creek  
 Manners, S. M. F., Fort Constantine  
 Manning, A. W., Sydney, N.S.W.  
 Marzning, J. E., Sydney, N.S.W.  
 Mant, George, Gigoongan  
 Margetts, Frederick, Warwick  
 Marks, Benjamin, Brisbane  
 Marley, William Lane, Stanthorpe  
 Marsh, William, Young, N.S.W.  
 Marsh, John Melbourne, Water Police  
 Magistrate, Sydney, N.S.W.  
 Marsh, William, Mackay  
 Marshall, Sampson, Goondiwindi  
 Martin, G. N., Branscombe, Mackay  
 Martin, G., P.M., Glen Innes, N.S.W.  
 Martin, Arthur, Brisbane  
 Martin, Daniel, Rockhampton  
 Martin, W. A., Thornborough  
 Martin, H. S., Rockhampton  
 Martindale, C. C., Upper Brisbane  
 Mason, Maurice Charles, Clifton  
 Massie, H. H., Sydney  
 Mathews, R. H., Goondiwindi  
 Matveieff, Alexey Froloff, Brisbane  
 Maunsell, Samuel George, Avoca  
 Mayne, Edward E. V. C., Peak Vale  
 Mayne, Robert West, Jimbour  
 Mayne, W. C., Birkhead, Mitchell Dis.  
 Mayne, E. V. C., Peak Vale  
 Melville, A. W., Maryborough  
 Mellor, Matthew, Gympie  
 Menzies, Hector, Cooktown  
 Menzies, William, Dundathu  
 Meredith, W. Vincent, Lansdowne  
 Mery, T. F., Bulimba  
 Meston, Archibald, Ipswich  
 Miles, M., Cleveland, Kennedy  
 Miles, William, Dalby  
 Miller, Donald, Bowen  
 Milson, James, junior, Sydney, N.S.W.  
 Missing, Henry, Maryborough  
 Mitchell, J. S., Sydney, N.S.W.  
 Mitchell, James, Bedouri, Banana  
 Mitchell, S. C., Werna, Gregory North  
 Moffat, S., Cumkillenbar, Dalby  
 Moffat, T. De Lacy, Westlands  
 Moffatt, J. C., Brisbane  
 Montefiore, E. L., Sydney, N.S.W.  
 Moor, J. H., Isisford  
 Moore, Isaac, Baramba  
 Moore, Robert Shaw, Thurgomindah  
 Moore, Thomas, Gulnabar, Maranoa  
 Moran, Charles L., Rockhampton  
 Morecom, A., Antigua, Mary River  
 Morehead, Boyd Dunlop, Brisbane  
 Moreton, Hon. Berkeley B., Gayndah  
 Moreton, Hon. Seymour, Gayndah  
 Morey, E., P.M., Charters Towers  
 Morgan, Frederick, Warwick  
 Morphet, C. T., Warrego  
 Morrisby, A. H., Watsonville  
 Morisset, E. N. V., Maitland, N.S.W.  
 Morrissett, Rudolf R., Carpentaria  
 Mort, Henry, Sydney, N.S.W.  
 Mossman Hugh, Charters Towers  
 Mowbray, Thomas, P.M., St. George

- Mowbray, W. M., P.M., Thornborough  
 Muir, Robert, Nerang Creek  
 Mullen, Hon. John, Brisbane  
 Mulligan, D. T., Rockhampton  
 Munce, William John, Brisbane  
 Munro, Duncan, Highfields  
 Murphy, John, P.M., Roma  
 Murray, G. P. M., P.M., Warwick  
 Murray, J., A Reserve, Rockhampton  
 Murton, J. B., Thornborough  
 Myles, G. T. Goondiwindi  
 Nash, F. E., Cam. Downs, Dalrymple  
 Naumberg, Edward, Toowoomba  
 Neame, Arthur, Macknade, Cardwell  
 Needham, Francis Henry, Warwick  
 Neill, William, Sydney, N.S.W.  
 Neilson, Robert Disher, Brisbane  
 Nelson, Hugh Muir, Dalby  
 Newman, George Henry, Brisbane  
 Newton, Frank William, Murweh  
 Newton, Richard, Brisbane  
 Nicholson, Frank Villeneuve, Kilcoy  
 Nicholson, John, Albany Downs  
 Nicholson, W. C., Kedron Brook  
 Nisbet, James, Mitchell  
 Nisbet, William D., Brisbane  
 Nixon, Frank, Nerang Creek  
 Norris, William O., P.M., Cunnamulla  
 North, Joseph, Ipswich  
 North, Robert, Fernlie Lawn  
 Norton, Albert, Gladstone  
 Nunn, Samuel, Warwick  
 Nutting, Philip Henry, Chastleton  
 Oakden, Mordaunt, Flinders  
 O'Doherty, Hon. Kevin L., Brisbane  
 O'Donnell, W. J., Mount Howitt  
 Ogg, Edward, Ipswich  
 Ogg, G. R., Georgetown  
 Okeden, David Parry, Burenda  
 Okeden, W. E. P., P. M., Charleville  
 O'Kelly, Peter, Mary River  
 Oliver, Reuben, Brisbane  
 Ord, David, Dalby  
 O'Rourke, John, Comet  
 Osborne, A. S. R., Mount Perry  
 Osborne, J. A., Mitchell Dns., Roma  
 O'Shanassy, K., Weribone, Maranoa  
 O'Shanassy, Sir John, K.C.M.G., Melbourne, Victoria  
 O'Sullivan, Patrick, Ipswich  
 Overend, James Carter, Brisbane  
 Paige, Thomas Henry, Brisbane  
 Palmer, Hon. Arthur H., Brisbane  
 Palmer, Charles M., Sydney, N.S.W.  
 Palmer, Henry, Maryborough  
 Palmer, Henry W., Charters Towers  
 Palmer, John, Bowen  
 Palmer, R. E., Bundaberg, Burnett  
 Parbury, Alfred, Sydney, N.S.W.  
 Parker, James A., Thornborough  
 Parkes, Sir H., K.C.M.G., Sydney  
 Parr, Bertie C., Bowen  
 Paterson, Robert L., Nive Downs  
 Pattison, William, Rockhampton  
 Patton, Robert, Leichhardt  
 Paxton, W. H., Mackay  
 Paul, William Sheffield, Springsure  
 Payne, H. H., The Gap, Brisbane  
 Pearce, Thos. W., West Maitland  
 Pechey, Edward Wilmot, Highfields  
 Peitzcker, Albert R. H., Beenleigh  
 Pennefather, C. E. de F., sch. "Pearl"  
 Percy, H. L. H., Diamantina River  
 Perkins, Hon. Patrick, Toowoomba  
 Perry, William, Brisbane  
 Persse, De Burgh, Albert River  
 Persse, William, Connemara, Jundah  
 Petrie, John, Brisbane  
 Pettigrew, Hon. William, Brisbane  
 Petty, Richard George, Brisbane  
 Peyton, Nicholson, Millenester  
 Phillpott, William, Nerang  
 Philp, James, Mantuan Downs  
 Phipps, Lord H. G. R., Logan  
 Philp, Robert, Townsville  
 Pinnock, Philip, P.M., Brisbane  
 Pitt, Charles, Redbank Plains  
 Plant, Edmund H. T., Ravenswood  
 Playfair, L. M., Beechal Ck., Warrego  
 Plunkett, Thomas, Tambourine  
 Pocklington, B. Mitford, Mackay  
 Pocock, William, Brisbane  
 Pollock, Alexander, Gympie  
 Pope, Richard, Roma  
 Poulton, Benjamin, Aramac  
 Power, E. B., Cooktown  
 Power, Herbert, Melbourne  
 Power, Michael, Toowoomba  
 Power, W. G., Brisbane  
 Powell, Charles, Maryborough  
 Powell, Frank Alexander, Ardoch  
 Powell, Nathaniel, Brighton Downs  
 Pratt, Arthur C. M., Brisbane  
 Price, William Henry, Mt. Coora  
 Prichard, William D., Lake Station  
 Primrose, Francis A., Toowoomba  
 Primrose, Hon. G. E., Emu Creek  
 Prior, Hon. T. L. Murray, Brisbane



- Prior, Thomas de M. M., Bully Creek  
 Prior, T. M. M., Bully Ck., Belyando  
 Prizeman, W. B., Gladstone  
 Provence, T. R., Burnett District  
 Pryde, Thomas, Ipswich  
 Pugh, T. P., P.M., Rockhampton  
 Purcell, H. C., Brisbane  
 Purser, John, Maryborough  
 Pyne, Clement Lawless, Tiara  
 Pyne, T. S. L., Maryborough  
 Radcliff, Amos, Oxley  
 Raff, Alexander, Brisbane  
 Raff, George, Brisbane  
 Raff, James, Brisbane  
 Raff, Robert, Thursday Island  
 Rait, W., Toolumbillah, Maranoa  
 Ramsay, P., Tinana Ck., Maryboro'  
 Ramsay, Robert, England  
 Ranken, John, P.M., Gayndah  
 Ranken, J. L. C., Afton, Flinders R.  
 Ranken, John L., Herbert River  
 Ranken, J. T. C., Bowen Downs  
 Ranking, R. A., P.M., Blackall  
 Raven, J. W., Ban Ban, Buruett  
 Rawlins, Frederick, Brisbane  
 Rawson, C., Shamrock Vale, Mackay  
 Raymond, G. W., Burton Downs  
 Raymond, Robert P., Sydney, N.S.W.  
 Rea, William, Rockhampton  
 Reid, M. W., Woodstock, Townsville  
 Reid, Robert, Springsure  
 Reid, Walter, Rockhampton  
 Rendall, Richard, Bundaberg  
 Reynolds, William H., Mount Perry  
 Ricardo, P. R., Franklyn Vale  
 Rice, Lionel Knight, Waverley  
 Rich, Charles W., Gladstone  
 Richards, James, St. George  
 Richards, Henry, Springsure  
 Richards, William H., Springsure  
 Richardson, A. J., Rockhampton  
 Ridler, John C. Cania, Burnett  
 Risien, Henry Walters, Gracemere  
 Roberts, Edwin, Toowoomba  
 Robertson, J., Mt. Abundance  
 Robertson, R. R. C., Wellington Vale, N.S.W.  
 Robertson, Sir J., K.C.M.G., Sydney  
 Robertson, T., Baffle Ck., Port Curtis  
 Robertson, William, Cooktown  
 Robinson, Arthur A., Coonera  
 Robinson, Edwin W., Toowoomba  
 Robinson, J. W., Lady Elliott Island  
 Robinson, John, Gatton  
 Robinson, Thos. G., Toowoomba  
 Robinson, William H., Rockhampton  
 Roche, Frederick William, Dalby  
 Rodè, Franz J. A., German Station  
 Roe, Reginald Heber, Brisbane  
 Rolfe, C. W. N., Belyando  
 Rolleston, C., Sydney, N.S.W.  
 Rolwagon, R., Townsville  
 Rome, C., Northampton Downs  
 Rome, Robert, Sydney, N.S.W.  
 Rome, Thomas, Brisbane  
 Romilly, C. C., Pleystowe, Mackay  
 Ross, D., Nooroondo, Maranoa  
 Ross, Edmund D. R., Brisbane  
 Ross, Henry, Tiara  
 Ross, James B., Charters Towers  
 Ross, Andrew, Inkerman  
 Rourke, Alexander, Dotswood  
 Rourke, J. O., Dingo, Rockhampton  
 Rouse, G. M., Culloden, Mitchell  
 Rowan, A., West Melbourne  
 Roys, C. J., Juandah, Dawson River  
 Roys, E. M., Juandah, Dawson R.  
 Rundle, Matthew S., Rockhampton  
 Russell, Robert, Charters Towers  
 Russel, W. F. H. H., Brisbane  
 Rutherford, J., Bourke, N.S.W.  
 Rutherford, G. L., Port Douglas  
 Ryan, John, Townsville  
 Ryan, H., Melbourne  
 Ryan, Richard Arthur, Brisbane  
 Ruthven, H. M., Isisford  
 Sadleir, Thomas John, Tambo  
 Salmond, David, Rockhampton  
 Sams, A. J. D., Entalli, Melbourne  
 Sandeman, Hon. G., Burenda  
 Sandrock, George F., Bowen  
 Saunders, James, Roma  
 Savage, James, Beenleigh  
 Say, George, Highfields  
 Sayce, J. N., Tieryboo  
 Scarr, Frank, Mitchell  
 Schneider, Henry, Nerang Creek  
 Scholefield, R. W., Darling Downs  
 Scott, Arthur J., Alton, England  
 Scott, James Hall, Kennedy  
 Scott, James Hamilton, Brisbane  
 Scott, John, Brisbane  
 Scott, W. J., Valley of Lagoons  
 Scott, Walter, Taromeo, Nanango  
 Seidel, Ernest Frederick, St. George  
 Sellheim, P. A., P.M., Maytown  
 Seymour, D. T., Brisbane  
 Shand, A. H. W., Mount Perry



- Shanks, Hugh, Ipswich  
 Shaw, Frederick, Beenleigh  
 Shaw, William Barker, Rawbelle  
 Sheaffe, R. H., Marathon, Flinders R.  
 Shenton, Samuel, Ipswich  
 Sheppard, A. W., Westland  
 Sheridan, H. A., Maitland, N.S.W.  
 Sheridan, R. B., W.P.M., Maryboro'  
 Sheridan, Richard Numa, St. George  
 Sheridan, R., Roma  
 Skelton, J., Dalby  
 Simpson, George Morris, Dalby  
 Simpson, H. G., Belleview, Ipswich  
 Simpson, J. M., Armidale, N.S.W.  
 Simpson, Hon. H. G., Brisbane  
 Simpson, W. J., Saltern Creek  
 Sinas, J. G., Oakey Creek  
 Sinclair, John, Brisbane  
 Singleton, G. L., Mount Hutton  
 Skinner, Robert Alfred, Charleville  
 Slade, William Ball, Chiverton  
 Sloman, J. B., Ipswich  
 Sly, William Mungy, Burnett  
 Smellie, Robert Russell, Brisbane  
 Smith, Cornelius P., Palmer River  
 Smith, Ernest O., Sydney, N.S.W.  
 Smith, George, Mackay  
 Smith, George Minchin, Burenda  
 Smith, Harold Selwyn, Melbourne  
 Smith, H. F., Lyndhurst, U. Burdekin  
 Smith, H. G., Charleville  
 Smith, G. G., Moorabool  
 Smith, Patrick, Woogaroo  
 Smith, Richard Joseph, Ipswich  
 Smith, Robert Harrison, Bowen  
 Smith, Thomas, Gympie  
 Smith, G. M., Burenda  
 Smith, W., Dotswood, Townsville  
 Smyth, Joseph Capel, Maranoa  
 Snell, J. C., Ellengowan, D. Downs  
 Snow, C. W., Brisbane  
 Southenden, E. B., Brisbane  
 Southerden, William, Maryborough  
 Spark, S. W., Aramac  
 Spence, David, Cairns  
 Spry, James, N.S.W.  
 Stable, George Robert, Gympie  
 Stansfield, E. H., Hughenden Station  
 Steel, James Fairfield, Banana  
 Steele, W., Coolerooban, Albert R.  
 Steele, William, Etheridge  
 Stelfox, John, Brideoake, Springsure  
 Sterling, Robert, Mzckay  
 Stevens, E. J., Tintinchilla, Bulloo R.  
 Stevens, G. Bligh, Upper Brisbane  
 Stevens, G. R., Hongkong  
 Stephens, S. G., Toowoomba  
 Stevenson, John, Rockhampton  
 Stewart, Alexander, Brisbane  
 Stewart, James C., Melbourne  
 Stewart, R., Southwick, Kennedy  
 Stewart, Robert Muter, Brisbane  
 St. George, Howard, P.M., Cooktown  
 St. John, Henry Jervis, Ban Ban  
 Stone, Henry Wortley, Cardwell  
 Strachan, J. W., Loganholme, Logan  
 Strathdee, Robert, Gayndah  
 Stringer, Charles Augustus, Tiara  
 Strüver, F. R. C., Pine Ck., Yandilla  
 Stuart, Alexander, Sydney, N.S.W.  
 Stuart, David George, Gympie  
 Stuart, James William, Mackay  
 Stuart, R. Wingfield, Mitchell Downs  
 Stubbley, F. H., Charters Towers  
 Sturt, E. P. S., Melbourne, Victoria  
 Sullivan, A. F., Tilbooroo, Warrego R.  
 Sutherland, Alexander, Carmaroo  
 Sutherland, James, Cloncurry  
 Sutherland, J., Melbourne, Victoria  
 Swan, Hon. James, Brisbane  
 Sword, T. Stevenson, P.M., Aramac  
 Tait, David, Brisbane  
 Tagg, Thomas F., St. Lawrence  
 Tallon, Robert, Ipswich  
 Tanner, Edward, Bundaberg  
 Tansey, Michael, Highfields  
 Taylor, Alfred, Lolsworth  
 Taylor, Frank, Comet  
 Taylor, John William, Cecil Plains  
 Taylor, R. T., P.M., Surat  
 Taylor, Hon. James, Toowoomba  
 Taylor, William F., Clermont  
 Taylor, William F., Warwick  
 Taylor, G. C., Mount Marlow, Barcoo  
 Taylor, William J., Rockhampton  
 Terry, A. J. McD., Bowen  
 Thomas, Alfred Cayley, —  
 Thomas, D. P., Port Douglas  
 Thompson, Henry, Leybourn  
 Thompson, H. H., Copperfield  
 Thompson, J. B., Rupert Creek  
 Thompson, William, Warwick  
 Thompson, T. J., Sydney  
 Thompson, R. W., W. Mait'd, N.S.W.  
 Thomson, Alexander, Brisbane  
 Thomson, J., Prahan, Victoria  
 Thomson, John, Brisbane  
 Thomson, Matthew C., Springsure

- Thomson, Peter, Wivenhoe  
 Thomson, William, Rockhampton  
 Thorn, Henry, Warra Warra, Dalby  
 Thorn, John, Ipswich  
 Thorn, Hon. George, Ipswich  
 Thorne, Etenezer, Brisbane  
 Thorne, William, Brisbane  
 Thornton, Edmund L., Warwick  
 Thornton, Hon. William, Brisbane  
 Tighe, A.A.P., P.M., Waratah, N.S.W.  
 Tilley, Thomas, Chiverton  
 Tolson, James, Uanda  
 Tom, Charles, Forest Vale  
 Tom, Henry, Yeulbah, Maranoa  
 Tooker, M. G., Marlborough  
 Tooth, Robert, London  
 Toussaint, Charles Walter, Nebo  
 Towney, E. D. L., Palmer Goldfield  
 Townley, William, P.M., Ipswich  
 Townshend, J. A., Inkerman  
 Travers, R., Malvern Dns., Clermont  
 Travers, S.S., Gordon Dns., Leichhardt  
 Trebeck, P.N., Woolahra, N.S.W.  
 Trenchard, Edward, Melbourne  
 Trouton, Frederick Henry, Sydney  
 Trundle, Charles Joseph, Brisbane  
 Tulloh, A. R., Cape River Goldfields  
 Tulloh, William Henry, Sydney  
 Tully, William Alcock, Brisbane  
 Turnbull, George Edward, Medway  
 Turnbull, John, Clermont  
 Turnbull, W., Bullemoy, Moonie River  
 Turner, John Cameron, Helidon  
 Turner, F. A. B., Avoca, Springsure  
 Tyrel, John de Poix, Stanthorpe  
 Turner, Hon. John S., Brisbane  
 Tyson, James, Warrego  
 Uhr, R. C. H., P.M., Burke  
 Unmack, Theodore, Brisbane  
 Vanneck, Hon. Walter, Grantham  
 Vernor, R., Cluen, Brisbane River  
 Vignolles, F. D., Western Creek  
 Voss, Houlton Harris, N.S.W.  
 Waite, G. A., Crystal Brook  
 Wakefield, Hiram, Brisbane  
 Wakly, R. S., Mitchell  
 Walker, Adam, St. George  
 Walker, Edgar Wright, Brisbane  
 Walker, Spencer F., Townsville  
 Walker, Thomas G., N.S.W.  
 Walker, William, Maryborough  
 Walker, R. F., Mackay  
 Walker, W. T., Townsville  
 Wallace, Donald, Melbourne  
 Waller, Edwin Shepherd, Cardwell  
 Walch, E. J., Mackay  
 Walsh, Alfred R., Towlathunga  
 Walsh, John, Cooktown  
 Walsh, Michael, Port Douglas  
 Walsh, Percival Eyre, Normanton  
 Walter, F., Delallah, Warrego River  
 Walton, William F., Rockhampton  
 Wart, George Frederick, Sydney  
 Waraker, John C., Georgetown  
 Warburton, Rowland J. E., Brisbane  
 Ward, Moses, Brisbane  
 Warde, John, Brisbane  
 Warde, St. Andrew, Brisbane  
 Wardle, William, Inkerman  
 Warland, William, Springdale  
 Warner, John Reid, Maryborough  
 Warry, Richard Symes, Brisbane  
 Watson, George Chale, Warrego  
 Watson, Samuel, Tarampa  
 Watson, John, Brisbane  
 Watt, John Brown, Sydney  
 Watt, Alexander, Albert River  
 Weaver, C. T., P.M., Kempsey, N.S.W.  
 Webb, Ernest Hervey, Brisbane  
 Webb, H., Caynana, Logan  
 Webber, J., Kiabra, Cooper's Creek  
 Webster, Alexander B., Brisbane  
 Webster, William, Brisbane  
 Weedon, Richard Warren, Bulimba  
 Weekes, William R. H., Victoria  
 Weise, Gustave R., Ipswich  
 Welch, E. J., Mackay  
 Welsby, Samuel P., Redbank Plains  
 West, Alexander Frith, Normanton  
 West, F. J., Darling Downs  
 Westaway, Richard, Mooloolah  
 Wheelwright, John H., Brisbane  
 Whish, Claudius B., Brisbane  
 Whitechurch, John S., Toowoomba  
 White, A. W. D., North Kennedy  
 White, Ernest, Logan River  
 White, R. H., Driberg, N.S.W.  
 White, Hon. W. D., Tingalpa  
 White, Thomas Edward, Brisbane  
 White, W. G., Bluff, North Kennedy  
 White, P. K., Herbert River  
 Whitney, George, Seven Mile Creek  
 Wienholt, Arnold, Maryvale  
 Wienholt, Arthur, Fassifern  
 Wienholt, Edward, Gomburra  
 Williams, Charles L., Gregory North  
 Williams, Edward, Toowoomba  
 Williams, William, Brisbane

Williams, C., Jondaryan  
 Williamson, W., Tower Hill  
 Wills, Horace S., Cullinlaringo  
 Wilmington, A. H., Salisbury Plains  
 Wilson, Andrew H., Maryborough  
 Wilson, David, Raglan, Gladstone  
 Wilson, George Harrison, Ipswich  
 Wilson, J. G. H., Orion Downs  
 Wilson, William, Brisbane  
 Wilson, W., Pilton, Darling Downs  
 Wilson, R. W., Diamantina  
 Winship, Taylor, Cleveland  
 Witham, John David, Zania Downs  
 Witt, Alfred, Miriam Vale, Gladstone  
 Witty, William Knight, Yatala  
 Wolfe, James Ephraim, Maitland  
 Wonderley, Joseph, Toowoomba  
 Wood, Alfred Thos., Rockhampton

Wood, E., Lake Victoria, Leichhardt  
 Wood, Henry Connel, Durundur  
 Wood, James F., Maryborough  
 Woodburn, John, South Brisbane  
 Woodhouse, Chas. E., Rockhampton  
 Woodhouse, William, N.S.W.  
 Woodward, Arthur, Brisbane  
 Woodward, R. C., Toowoomba  
 Woore, J. C., Albert District, N.S.W.  
 Wrench, Edward, Sydney  
 Wright, A. A. Nunalbin, Leichhardt  
 Wyndham, A. W., Macintyre River  
 Wyndham, G., Arthur's Seat, N.S.W.  
 Yaldwyn, William, P.M., Dalby  
 Young, Edwin, Beenleigh  
 Young, William, Maryborough  
 Zeal, W. A., Melbourne  
 Zillman, John Leopold, Eagle Farm

## ADDENDA.

Adams, John Lowry, Sydney  
 Anderson, James Manuka, Will's Creek  
 Benjamin, Henry, Roma  
 Brodziak, Meyer, Sydney

Davidson, James Henry, Westbrook  
 Elliott, H. Sherman, Lismore, N.S.W.  
 Fitzgibbon, J. H., Fortitude Valley

## CONSULS.

## CONSULS.

*Netherlands*—Hon. J. C. Heussler  
*Denmark*—E. H. Webb  
*German Empire*—T. Unmack (acting)

## CONSULAR AGENTS.

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*Belgium*—B. D. Morehead  
*United States*—George Harris

## GOVERNMENT OFFICES IN BRISBANE.

Attorney-General, Queen-street  
 Auditor-General, Treasury-square  
 Benevolent Asylum, Dunwich  
 Brands' Inspector, Queen-street  
 Colonial Architect, George-street West  
 Colonial Secretary, William-street  
 Colonial Treasurer, Treasury-square  
 Crown Solicitor, Queen-street  
 Customs, near Kangaroo-pt. Ferry, Queen-st.  
 Detective (Police), Old Post Office, Queen-st.  
 Education, Adelaide and Edward-streets  
 Electric Telegraph, Queen-street  
 Excise, Elizabeth-street  
 Executive Council, Parliamentary Buildings  
 Gaol, Petrie-terrace  
 Harbors and Rivers, Treasury-square  
 Immigration, William-street  
 Lithographic, William street  
 Lunatic Reception, Petrie-terrace  
 Marine Board, Edward-street  
 Medical Board, Old Post Office  
 Official Trustee in Insolvency, Queen-street  
 Orphanage, Diamantina, Green-hills  
 Orphanage, R.C., Nudgee  
 Pastoral Occupation Lands Office, George-st.

Penal Establishment, St. Helena  
 Police Barracks, Petrie-terrace  
 Police Court, Elizabeth-street  
 Police Office, Petrie-terrace  
 Postmaster-General, G.P.O., Queen-street  
 Portmaster, Lighthouses, and Pilot, Edward street  
 Printing, William-street  
 Public Works, George-street West  
 Public Mines, Queen-street  
 Railway, George-street (Public Works Office)  
 Railway Station, Roma-street  
 Reformatory Hulk, Brisbane River  
 Registrar-General, corner of Queen and George streets  
 Roads, George-street West  
 Savings Bank, Queen-street  
 " Head Office, Treasury-square  
 Sheriff's, Supreme Court Buildings  
 Shipping Master, Edward-street  
 Stamps, George-street  
 Stores, William-street  
 Supreme Court, North Quay  
 Survey, George-street West

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I, Sydney Lawrence Ryan, State Librarian being an approved person in terms of Section 105 of the Evidence Act of 1977, certify that this transparency was made as a permanent record of a document in my custody or under my control.

Signature ..... *S. Ryan* .....

Date: 11th January, 1982



**CONTINUED**

# COMMERCIAL TABLES.

## EXCHANGE TABLE.

£	$\frac{1}{2}$ per Cent.			1 per Cent.			$1\frac{1}{2}$ per Cent.			2 per Cent.			3 per Cent.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	$1\frac{1}{4}$	0	0	$2\frac{1}{2}$	0	0	$3\frac{1}{2}$	0	0	$4\frac{1}{2}$	0	0	7
2	0	0	$2\frac{1}{2}$	0	0	$4\frac{1}{4}$	0	0	$7\frac{1}{4}$	0	0	$9\frac{1}{2}$	0	1	$2\frac{1}{4}$
3	0	0	$3\frac{1}{2}$	0	0	$7\frac{1}{4}$	0	0	$10\frac{3}{4}$	0	1	$2\frac{1}{4}$	0	1	$9\frac{1}{2}$
4	0	0	$4\frac{3}{4}$	0	0	$9\frac{1}{2}$	0	1	$2\frac{1}{2}$	0	1	7	0	2	$4\frac{1}{4}$
5	0	0	6	0	1	0	0	1	6	0	2	0	0	3	0
6	0	0	$7\frac{1}{4}$	0	1	$2\frac{1}{2}$	0	1	$9\frac{1}{2}$	0	2	$4\frac{3}{4}$	0	3	7
7	0	0	$8\frac{1}{2}$	0	1	$4\frac{1}{4}$	0	2	$1\frac{1}{4}$	0	2	$9\frac{1}{2}$	0	4	$2\frac{3}{4}$
8	0	0	$9\frac{1}{2}$	0	1	$7\frac{1}{4}$	0	2	$4\frac{3}{4}$	0	3	$2\frac{1}{4}$	0	4	$9\frac{1}{2}$
9	0	0	$10\frac{3}{4}$	0	1	$9\frac{1}{2}$	0	2	$8\frac{1}{2}$	0	3	7	0	5	$4\frac{1}{4}$
10	0	1	0	0	2	0	0	3	0	0	4	0	0	6	0
11	0	1	$1\frac{1}{4}$	0	2	$2\frac{1}{2}$	0	3	$3\frac{1}{2}$	0	4	$4\frac{3}{4}$	0	6	7
12	0	1	$2\frac{1}{2}$	0	2	$4\frac{1}{4}$	0	3	$7\frac{1}{4}$	0	4	$9\frac{1}{2}$	0	7	$2\frac{1}{4}$
13	0	1	$3\frac{1}{2}$	0	2	$7\frac{1}{4}$	0	3	$10\frac{3}{4}$	0	5	$2\frac{1}{4}$	0	7	$9\frac{1}{2}$
14	0	1	$4\frac{3}{4}$	0	2	$9\frac{1}{2}$	0	4	$2\frac{1}{2}$	0	5	7	0	8	$4\frac{1}{4}$
15	0	1	6	0	3	0	0	4	6	0	6	0	0	9	0
16	0	1	$7\frac{1}{4}$	0	3	$2\frac{1}{2}$	0	4	$9\frac{1}{2}$	0	6	$4\frac{3}{4}$	0	9	7
17	0	1	$8\frac{1}{2}$	0	3	$4\frac{1}{4}$	0	5	$1\frac{1}{4}$	0	6	$9\frac{1}{2}$	0	10	$2\frac{1}{4}$
18	0	1	$9\frac{1}{2}$	0	3	$7\frac{1}{4}$	0	5	$4\frac{3}{4}$	0	7	$2\frac{1}{4}$	0	10	$9\frac{1}{2}$
19	0	1	$10\frac{3}{4}$	0	3	$9\frac{1}{2}$	0	5	$8\frac{1}{2}$	0	7	7	0	11	$4\frac{1}{4}$
20	0	2	0	0	4	0	0	6	0	0	8	0	0	12	0
21	0	2	$1\frac{1}{4}$	0	4	$2\frac{1}{2}$	0	6	$3\frac{1}{2}$	0	8	$4\frac{3}{4}$	0	12	7
22	0	2	$2\frac{1}{2}$	0	4	$4\frac{1}{4}$	0	6	$7\frac{1}{4}$	0	8	$9\frac{1}{2}$	0	13	$2\frac{1}{4}$
23	0	2	$3\frac{1}{2}$	0	4	$7\frac{1}{4}$	0	6	$10\frac{3}{4}$	0	9	$2\frac{1}{4}$	0	13	$9\frac{1}{2}$
24	0	2	$4\frac{3}{4}$	0	4	$9\frac{1}{2}$	0	7	$2\frac{1}{2}$	0	9	7	0	14	$4\frac{1}{4}$
25	0	2	6	0	5	0	0	7	6	0	10	0	0	15	0
26	0	2	$7\frac{1}{4}$	0	5	$2\frac{1}{2}$	0	7	$9\frac{1}{2}$	0	10	$4\frac{3}{4}$	0	15	7
27	0	2	$8\frac{1}{2}$	0	5	$4\frac{1}{4}$	0	8	$1\frac{1}{4}$	0	10	$9\frac{1}{2}$	0	16	$2\frac{1}{4}$
28	0	2	$9\frac{1}{2}$	0	5	$7\frac{1}{4}$	0	8	$4\frac{3}{4}$	0	11	$2\frac{1}{4}$	0	16	$9\frac{1}{2}$
29	0	2	$10\frac{3}{4}$	0	5	$9\frac{1}{2}$	0	8	$8\frac{1}{2}$	0	11	7	0	17	$4\frac{1}{4}$
30	0	3	0	0	6	0	0	9	0	0	12	0	0	18	0
31	0	3	$1\frac{1}{4}$	0	6	$2\frac{1}{2}$	0	9	$3\frac{1}{2}$	0	12	$4\frac{3}{4}$	0	18	7
32	0	3	$2\frac{1}{2}$	0	6	$4\frac{1}{4}$	0	9	$7\frac{1}{4}$	0	12	$9\frac{1}{2}$	0	19	$2\frac{1}{4}$
33	0	3	$3\frac{1}{2}$	0	6	$7\frac{1}{4}$	0	9	$10\frac{3}{4}$	0	13	$2\frac{1}{4}$	0	19	$9\frac{1}{2}$
34	0	3	$4\frac{3}{4}$	0	6	$9\frac{1}{2}$	0	10	$2\frac{1}{2}$	0	13	7	1	0	$4\frac{1}{4}$
35	0	3	6	0	7	0	0	10	6	0	14	0	1	1	0
36	0	3	$7\frac{1}{4}$	0	7	$2\frac{1}{2}$	0	10	$9\frac{1}{2}$	0	14	$4\frac{3}{4}$	1	1	7
37	0	3	$8\frac{1}{2}$	0	7	$4\frac{1}{4}$	0	11	$1\frac{1}{4}$	0	14	$9\frac{1}{2}$	1	2	$2\frac{1}{4}$
38	0	3	$9\frac{1}{2}$	0	7	$7\frac{1}{4}$	0	11	$4\frac{3}{4}$	0	15	$2\frac{1}{4}$	1	2	$9\frac{1}{2}$
39	0	3	$10\frac{3}{4}$	0	7	$9\frac{1}{2}$	0	11	$8\frac{1}{2}$	0	15	7	1	3	$4\frac{1}{4}$
40	0	4	0	0	8	0	0	12	0	0	16	0	1	4	0
50	0	5	0	0	10	0	0	15	0	1	0	0	1	10	0
100	0	10	0	1	0	0	1	10	0	2	0	0	3	0	0
500	2	10	0	5	0	0	7	10	0	10	0	0	15	0	0
1000	5	0	0	10	0	0	15	0	0	20	0	0	30	0	0

NOTE.—May be used also as Interest or Discount tables, dividing the amount by 12 for one month; by 6 for 2 months; by 4 for 3 months; by 3 for 4 months; by 2 for 6 months.

# INTEREST TABLES.

At 4 per cent.				At 6 per cent.			
Prin- cipal.	1 Month.	2 Months.	3 Months.	Prin- cipal.	1 Month.	2 Months.	3 Months.
£	£ s. d.	£ s. d.	£ s. d.	£	£ s. d.	£ s. d.	£ s. d.
1	0 0 0 <sup>1</sup> / <sub>2</sub>	0 0 1 <sup>1</sup> / <sub>2</sub>	0 0 2 <sup>1</sup> / <sub>2</sub>	1	0 0 1	0 0 2 <sup>1</sup> / <sub>2</sub>	0 0 3 <sup>1</sup> / <sub>2</sub>
2	0 0 1 <sup>1</sup> / <sub>2</sub>	0 0 3	0 0 4 <sup>1</sup> / <sub>2</sub>	2	0 0 2 <sup>1</sup> / <sub>2</sub>	0 0 4 <sup>1</sup> / <sub>2</sub>	0 0 7
3	0 0 2 <sup>1</sup> / <sub>2</sub>	0 0 4 <sup>1</sup> / <sub>2</sub>	0 0 7	3	0 0 3 <sup>1</sup> / <sub>2</sub>	0 0 7	0 0 10 <sup>1</sup> / <sub>2</sub>
4	0 0 3	0 0 6 <sup>1</sup> / <sub>2</sub>	0 0 9 <sup>1</sup> / <sub>2</sub>	4	0 0 4 <sup>1</sup> / <sub>2</sub>	0 0 9 <sup>1</sup> / <sub>2</sub>	0 1 2 <sup>1</sup> / <sub>2</sub>
5	0 0 4	0 0 8	0 1 0	5	0 0 6	0 1 0	0 1 6
6	0 0 4 <sup>1</sup> / <sub>2</sub>	0 0 9 <sup>1</sup> / <sub>2</sub>	0 1 2 <sup>1</sup> / <sub>2</sub>	6	0 0 7	0 1 2 <sup>1</sup> / <sub>2</sub>	0 1 9 <sup>1</sup> / <sub>2</sub>
7	0 0 5 <sup>1</sup> / <sub>2</sub>	0 0 11	0 1 4 <sup>1</sup> / <sub>2</sub>	7	0 0 8 <sup>1</sup> / <sub>2</sub>	0 1 4 <sup>1</sup> / <sub>2</sub>	0 2 1
8	0 0 6 <sup>1</sup> / <sub>2</sub>	0 1 0 <sup>1</sup> / <sub>2</sub>	0 1 7	8	0 0 9 <sup>1</sup> / <sub>2</sub>	0 1 7	0 2 4 <sup>1</sup> / <sub>2</sub>
9	0 0 7	0 1 2 <sup>1</sup> / <sub>2</sub>	0 1 9 <sup>1</sup> / <sub>2</sub>	9	0 0 10 <sup>1</sup> / <sub>2</sub>	0 1 9 <sup>1</sup> / <sub>2</sub>	0 2 8 <sup>1</sup> / <sub>2</sub>
10	0 0 8	0 1 4	0 2 0	10	0 1 0	0 2 0	0 3 0
20	0 1 4	0 2 8	0 4 0	20	0 2 0	0 4 0	0 6 0
30	0 2 0	0 4 0	0 6 0	30	0 3 0	0 6 0	0 9 0
40	0 2 8	0 5 4	0 8 0	40	0 4 0	0 8 0	0 12 0
50	0 3 4	0 6 8	0 10 0	50	0 5 0	0 10 0	0 15 0
60	0 4 0	0 8 0	0 12 0	60	0 6 0	0 12 0	0 18 0
70	0 4 8	0 9 4	0 14 0	70	0 7 0	0 14 0	1 1 0
80	0 5 4	0 10 8	0 16 0	80	0 8 0	0 16 0	1 4 0
90	0 6 0	0 12 0	0 18 0	90	0 9 0	0 18 0	1 7 0
100	0 6 8	0 13 4	1 0 0	100	0 10 0	1 0 0	1 10 0
200	0 13 4	1 6 8	2 0 0	200	1 0 0	2 0 0	3 0 0
300	1 0 0	2 0 0	3 0 0	300	1 10 0	3 0 0	4 10 0
400	1 6 8	2 13 4	4 0 0	400	2 0 0	4 0 0	6 0 0
500	1 13 4	3 6 8	5 0 0	500	2 10 0	5 0 0	7 10 0
1000	3 6 8	6 13 4	10 0 0	1000	5 0 0	10 0 0	15 0 0

At 5 per cent.				At 7 per cent.			
Prin- cipal.	1 Month.	2 Months.	3 Months.	Prin- cipal.	1 Month.	2 Months.	3 Months.
£	£ s. d.	£ s. d.	£ s. d.	£	£ s. d.	£ s. d.	£ s. d.
1	0 0 1	0 0 2	0 0 3	1	0 0 1 <sup>1</sup> / <sub>2</sub>	0 0 2 <sup>1</sup> / <sub>2</sub>	0 0 4
2	0 0 2	0 0 4	0 0 6	2	0 0 2 <sup>1</sup> / <sub>2</sub>	0 0 5 <sup>1</sup> / <sub>2</sub>	0 0 8 <sup>1</sup> / <sub>2</sub>
3	0 0 3	0 0 6	0 0 9	3	0 0 4	0 0 8	0 1 0 <sup>1</sup> / <sub>2</sub>
4	0 0 4	0 0 8	0 1 0	4	0 0 5 <sup>1</sup> / <sub>2</sub>	0 0 11	0 1 4 <sup>1</sup> / <sub>2</sub>
5	0 0 5	0 0 10	0 1 3	5	0 0 7	0 1 2	0 1 9
6	0 0 6	0 1 0	0 1 6	6	0 0 8 <sup>1</sup> / <sub>2</sub>	0 1 4 <sup>1</sup> / <sub>2</sub>	0 2 1
7	0 0 7	0 1 2	0 1 9	7	0 0 9 <sup>1</sup> / <sub>2</sub>	0 1 7 <sup>1</sup> / <sub>2</sub>	0 2 5 <sup>1</sup> / <sub>2</sub>
8	0 0 8	0 1 4	0 2 0	8	0 0 11	0 1 10	0 2 9 <sup>1</sup> / <sub>2</sub>
9	0 0 9	0 1 6	0 2 3	9	0 1 0 <sup>1</sup> / <sub>2</sub>	0 2 1	0 3 1 <sup>1</sup> / <sub>2</sub>
10	0 0 10	0 1 8	0 2 6	10	0 1 2	0 2 4	0 3 6
20	0 1 8	0 3 4	0 5 0	20	0 2 4	0 4 8	0 7 0
30	0 2 6	0 5 0	0 7 6	30	0 3 6	0 7 0	0 10 6
40	0 3 4	0 6 8	0 10 0	40	0 4 8	0 9 4	0 14 0
50	0 4 2	0 8 4	0 12 6	50	0 5 10	0 11 8	0 17 6
60	0 5 0	0 10 0	0 15 0	60	0 7 0	0 14 0	1 1 0
70	0 5 10	0 11 8	0 17 6	70	0 8 2	0 16 4	1 4 6
80	0 6 8	0 13 4	1 0 0	80	0 9 4	0 18 8	1 8 0
90	0 7 6	0 15 0	1 2 6	90	0 10 6	1 1 0	1 11 6
100	0 8 4	0 16 8	1 5 0	100	0 11 8	1 3 4	1 15 0
200	0 16 8	1 13 4	2 10 0	200	1 3 4	2 6 8	3 10 0
300	1 5 0	2 10 0	3 15 0	300	1 15 0	3 10 0	5 5 0
400	1 13 4	3 6 8	5 0 0	400	2 6 8	4 13 4	7 0 0
500	2 1 8	4 3 4	6 5 0	500	2 18 4	5 16 8	8 15 0
1000	4 3 4	8 6 8	12 10 0	1000	5 16 8	11 13 4	17 10 0

NOTE.—For any other periods, add together the interest in the columns specified, as follows:—If the interest for 4 months is required, take the amount in the 3 months column and that in the 1 month column, and add them together. Interest at 8 per cent. can readily be found by doubling the amount at 4 per cent.; or at 10 per cent. by doubling that at 5 per cent., and so on.

# RELATIVE VALUE OF THE STANDARD WEIGHTS.

At per Ounce, 16 drs.		Is per Pound 16 oz.		At per Pound, 16 oz.		Is per Stone, 14 lbs.		Per Stone, 14 lbs.		Per Quar., 28 lbs.		Per Half Cwt., 56 lbs.		Per Cwt., 112 lbs.		Per Barrel, 196 lbs.		Per Bag, 280 lbs.		
s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
0	0 $\frac{1}{4}$	0	4	0	0 $\frac{1}{4}$	0	1 $\frac{3}{4}$	0	3 $\frac{1}{2}$	0	7	0	1	2	0	2	4	0	4	1
0	0 $\frac{1}{2}$	0	8	0	0 $\frac{1}{2}$	0	3 $\frac{1}{2}$	0	7	1	2	0	2	4	0	4	8	0	8	2
0	0 $\frac{3}{4}$	1	0	0	0 $\frac{3}{4}$	0	5 $\frac{1}{4}$	0	10 $\frac{1}{2}$	1	9	0	3	6	0	7	0	0	12	3
0	1	1	4	0	1	0	7	1	2	2	4	0	4	8	0	9	4	0	16	4
0	1 $\frac{1}{4}$	1	8	0	1 $\frac{1}{4}$	0	8 $\frac{3}{4}$	1	5 $\frac{1}{2}$	2	11	0	5	10	0	11	8	1	0	5
0	1 $\frac{1}{2}$	2	0	0	1 $\frac{1}{2}$	0	10 $\frac{1}{2}$	1	9	3	6	0	7	0	0	14	0	1	4	6
0	1 $\frac{3}{4}$	2	4	0	1 $\frac{3}{4}$	1	0 $\frac{1}{4}$	2	0 $\frac{1}{2}$	4	1	0	8	2	0	16	4	1	8	7
0	2	2	8	0	2	1	2	2	4	4	8	0	9	4	0	18	8	1	12	8
0	2 $\frac{1}{4}$	3	0	0	2 $\frac{1}{4}$	1	3 $\frac{3}{4}$	2	7 $\frac{1}{2}$	5	3	0	10	6	1	1	0	1	16	9
0	2 $\frac{1}{2}$	3	4	0	2 $\frac{1}{2}$	1	5 $\frac{1}{2}$	2	11	5	10	0	11	8	1	3	4	2	0	10
0	2 $\frac{3}{4}$	3	8	0	2 $\frac{3}{4}$	1	7 $\frac{1}{4}$	3	2 $\frac{1}{2}$	6	5	0	12	10	1	5	8	2	4	11
0	3	4	0	0	3	1	9	3	6	7	0	0	14	0	1	8	0	2	9	0
0	3 $\frac{1}{4}$	4	4	0	3 $\frac{1}{4}$	1	10 $\frac{3}{4}$	3	9 $\frac{1}{2}$	7	7	0	15	2	1	10	4	2	13	1
0	3 $\frac{1}{2}$	4	8	0	3 $\frac{1}{2}$	2	0 $\frac{1}{2}$	4	1	8	2	0	16	4	1	12	8	2	17	2
0	3 $\frac{3}{4}$	5	0	0	3 $\frac{3}{4}$	2	2 $\frac{1}{4}$	4	4 $\frac{1}{2}$	8	9	0	17	6	1	15	0	3	1	3
0	4	5	4	0	4	2	4	4	8	9	4	0	18	8	1	17	4	3	5	4
0	4 $\frac{1}{4}$	5	8	0	4 $\frac{1}{4}$	2	5 $\frac{3}{4}$	4	11 $\frac{1}{2}$	9	11	0	19	10	1	19	8	3	9	5
0	4 $\frac{1}{2}$	6	0	0	4 $\frac{1}{2}$	2	7 $\frac{1}{2}$	5	3	10	6	1	1	0	2	2	0	3	13	6
0	4 $\frac{3}{4}$	6	4	0	4 $\frac{3}{4}$	2	9 $\frac{1}{4}$	5	6 $\frac{1}{2}$	11	1	1	2	2	2	4	4	3	17	7
0	5	6	8	0	5	2	11	5	10	11	8	1	3	4	2	6	8	4	1	8
0	5 $\frac{1}{4}$	7	0	0	5 $\frac{1}{4}$	3	0 $\frac{1}{4}$	6	1 $\frac{1}{2}$	12	3	1	4	6	2	9	0	4	5	9
0	5 $\frac{1}{2}$	7	4	0	5 $\frac{1}{2}$	3	2 $\frac{1}{2}$	6	5	12	10	1	5	8	2	11	4	4	9	10
0	5 $\frac{3}{4}$	7	8	0	5 $\frac{3}{4}$	3	4 $\frac{1}{4}$	6	8 $\frac{1}{2}$	13	5	1	6	10	2	13	8	4	13	11
0	6	8	0	0	6	3	6	7	0	14	0	1	8	0	2	16	0	4	18	0
0	6 $\frac{1}{4}$	8	4	0	6 $\frac{1}{4}$	3	7 $\frac{3}{4}$	7	3 $\frac{1}{2}$	14	7	1	9	2	2	18	4	5	2	1
0	6 $\frac{1}{2}$	8	8	0	6 $\frac{1}{2}$	3	9 $\frac{1}{2}$	7	7	15	2	1	10	4	3	0	8	5	6	2
0	6 $\frac{3}{4}$	9	0	0	6 $\frac{3}{4}$	3	11 $\frac{1}{4}$	7	10 $\frac{1}{2}$	15	9	1	11	6	3	3	0	5	10	3
0	7	9	4	0	7	4	1	8	2	16	4	1	12	8	3	5	4	5	14	4
0	7 $\frac{1}{4}$	9	8	0	7 $\frac{1}{4}$	4	2 $\frac{1}{4}$	8	5 $\frac{1}{2}$	16	11	1	13	10	3	7	8	5	18	5
0	7 $\frac{1}{2}$	10	0	0	7 $\frac{1}{2}$	4	4 $\frac{1}{2}$	8	9	17	6	1	15	0	3	10	0	6	2	6
0	7 $\frac{3}{4}$	10	4	0	7 $\frac{3}{4}$	4	6 $\frac{1}{4}$	9	0 $\frac{1}{2}$	18	1	1	16	2	3	12	4	6	6	7
0	8	10	8	0	8	4	8	9	4	18	8	1	17	4	3	14	8	6	10	8
0	8 $\frac{1}{4}$	11	0	0	8 $\frac{1}{4}$	4	9 $\frac{3}{4}$	9	7 $\frac{1}{2}$	19	3	1	18	6	3	17	0	6	14	9
0	8 $\frac{1}{2}$	11	4	0	8 $\frac{1}{2}$	4	11 $\frac{1}{2}$	9	11	19	10	1	19	8	3	19	4	6	18	10
0	8 $\frac{3}{4}$	11	8	0	8 $\frac{3}{4}$	5	1 $\frac{1}{4}$	10	2 $\frac{1}{2}$	20	5	2	0	10	4	1	8	7	2	11
0	9	12	0	0	9	5	3	10	6	21	0	2	2	0	4	4	0	7	7	0
0	9 $\frac{1}{4}$	12	4	0	9 $\frac{1}{4}$	5	4 $\frac{1}{4}$	10	9 $\frac{1}{2}$	21	7	2	3	2	4	6	4	7	11	1
0	9 $\frac{1}{2}$	12	8	0	9 $\frac{1}{2}$	5	6 $\frac{1}{2}$	11	1	22	2	2	4	4	4	8	8	7	15	2
0	9 $\frac{3}{4}$	13	0	0	9 $\frac{3}{4}$	5	8 $\frac{1}{4}$	11	4 $\frac{1}{2}$	22	9	2	5	6	4	11		7	19	3
0	10	13	4	0	10	5	10	11	8	23	4	2	6	8	4	13	4	8	3	4
0	10 $\frac{1}{4}$	13	8	0	10 $\frac{1}{4}$	5	11 $\frac{3}{4}$	11	11 $\frac{1}{2}$	23	11	2	7	10	4	15	8	8	7	5
0	10 $\frac{1}{2}$	14	0	0	10 $\frac{1}{2}$	6	1 $\frac{1}{2}$	12	3	24	6	2	9	0	4	18	0	8	11	6
0	10 $\frac{3}{4}$	14	4	0	10 $\frac{3}{4}$	6	3 $\frac{1}{4}$	12	6 $\frac{1}{2}$	25	1	2	10	2	5	0	4	8	15	7
0	11	14	8	0	11	6	5	12	10	25	8	2	11	4	5	2	8	8	19	8
0	11 $\frac{1}{4}$	15	0	0	11 $\frac{1}{4}$	6	6 $\frac{3}{4}$	13	1 $\frac{1}{2}$	26	3	2	12	6	5	5	0	9	3	9
0	11 $\frac{1}{2}$	15	4	0	11 $\frac{1}{2}$	6	8 $\frac{1}{2}$	13	5	26	10	2	13	8	5	7	4	9	7	10
0	11 $\frac{3}{4}$	15	8	0	11 $\frac{3}{4}$	6	10 $\frac{1}{4}$	13	8 $\frac{1}{2}$	27	5	2	14	10	5	9	8	9	11	11
1	0	16	0	1	0	7	0	14	0	28	0	2	16	0	5	12	0	9	16	0



# RECKONING TABLES.

No.	At ½D.			At 1D.			At 2D.			At 3D.			At 4D.			At 5D.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
6	0	0	3	0	0	6	0	1	0	0	1	6	0	2	0	0	2	6
7	0	0	3½	0	0	7	0	1	2	0	1	9	0	2	4	0	2	11
8	0	0	4	0	0	8	0	1	4	0	2	0	0	2	8	0	3	4
9	0	0	4½	0	0	9	0	1	6	0	2	3	0	3	0	0	3	9
10	0	0	5	0	0	10	0	1	8	0	2	6	0	3	4	0	4	2
11	0	0	5½	0	0	11	0	1	10	0	2	9	0	3	8	0	4	7
12	0	0	6	0	1	0	0	2	0	0	3	0	0	4	0	0	5	0
13	0	0	6½	0	1	1	0	2	2	0	3	3	0	4	4	0	5	5
14	0	0	7	0	1	2	0	2	4	0	3	6	0	4	8	0	5	10
15	0	0	7½	0	1	3	0	2	6	0	3	9	0	5	0	0	6	3
16	0	0	8	0	1	4	0	2	8	0	4	0	0	5	4	0	6	8
17	0	0	8½	0	1	5	0	2	10	0	4	3	0	5	8	0	7	1
18	0	0	9	0	1	6	0	3	0	0	4	6	0	6	0	0	7	6
19	0	0	9½	0	1	7	0	3	2	0	4	9	0	6	4	0	7	11
20	0	0	10	0	1	8	0	3	4	0	5	0	0	6	8	0	8	4
21	0	0	10½	0	1	9	0	3	6	0	5	3	0	7	0	0	8	9
22	0	0	11	0	1	10	0	3	8	0	5	6	0	7	4	0	9	2
23	0	0	11½	0	1	11	0	3	10	0	5	9	0	7	8	0	9	7
24	0	1	0	0	2	0	0	4	0	0	6	0	0	8	0	0	10	0
25	0	1	0½	0	2	1	0	4	2	0	6	3	0	8	4	0	10	5
26	0	1	1	0	2	2	0	4	4	0	6	6	0	8	8	0	10	10
27	0	1	1½	0	2	3	0	4	6	0	6	9	0	9	0	0	11	3
28	0	1	2	0	2	4	0	4	8	0	7	0	0	9	4	0	11	8
29	0	1	2½	0	2	5	0	4	10	0	7	3	0	9	8	0	12	1
30	0	1	3	0	2	6	0	5	0	0	7	6	0	10	0	0	12	6
31	0	1	3½	0	2	7	0	5	2	0	7	9	0	10	4	0	12	11
32	0	1	4	0	2	8	0	5	4	0	8	0	0	10	8	0	13	4
33	0	1	4½	0	2	9	0	5	6	0	8	3	0	11	0	0	13	9
34	0	1	5	0	2	10	0	5	8	0	8	6	0	11	4	0	14	2
35	0	1	5½	0	2	11	0	5	10	0	8	9	0	11	8	0	14	7
36	0	1	6	0	3	0	0	6	0	0	9	0	0	12	0	0	15	0
37	0	1	6½	0	3	1	0	6	2	0	9	3	0	12	4	0	15	5
38	0	1	7	0	3	2	0	6	4	0	9	6	0	12	8	0	15	10
39	0	1	7½	0	3	3	0	6	6	0	9	9	0	13	0	0	16	3
40	0	1	8	0	3	4	0	6	8	0	10	0	0	13	4	0	16	8
41	0	1	8½	0	3	5	0	6	10	0	10	3	0	13	8	0	17	1
42	0	1	9	0	3	6	0	7	0	0	10	6	0	14	0	0	17	6
43	0	1	9½	0	3	7	0	7	2	0	10	9	0	14	4	0	17	11
44	0	1	10	0	3	8	0	7	4	0	11	0	0	14	8	0	18	4
45	0	1	10½	0	3	9	0	7	6	0	11	3	0	15	0	0	18	9
46	0	1	11	0	3	10	0	7	8	0	11	6	0	15	4	0	19	2
47	0	1	11½	0	3	11	0	7	10	0	11	9	0	15	8	0	19	7
48	0	2	0	0	4	0	0	8	0	0	12	0	0	16	0	1	0	0
49	0	2	0½	0	4	1	0	8	2	0	12	3	0	16	4	1	0	5
50	0	2	1	0	4	2	0	8	4	0	12	6	0	16	8	1	0	10
51	0	2	1½	0	4	3	0	8	6	0	12	9	0	17	0	1	1	3
52	0	2	2	0	4	4	0	8	8	0	13	0	0	17	4	1	1	8
53	0	2	2½	0	4	5	0	8	10	0	13	3	0	17	8	1	2	1
54	0	2	3	0	4	6	0	9	0	0	13	6	0	18	0	1	2	6



RECKONING TABLES—Continued.

No.	At $\frac{1}{2}$ l.			At 1d.			At 2d.			At 3d.			At 4d.			At 5d.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
55	0	2	3 $\frac{1}{2}$	0	4	7	0	9	2	0	13	9	0	18	4	1	2	11
56	0	2	4	0	4	8	0	9	4	0	14	0	0	18	8	1	3	4
57	0	2	4 $\frac{1}{2}$	0	4	9	0	9	6	0	14	3	0	19	0	1	3	9
58	0	2	5	0	4	10	0	9	8	0	14	6	0	19	4	1	4	2
59	0	2	5 $\frac{1}{2}$	0	4	11	0	9	10	0	14	9	0	19	8	1	4	7
60	0	2	6	0	5	0	0	10	0	0	15	0	1	0	0	1	5	0
61	0	2	6 $\frac{1}{2}$	0	5	1	0	10	2	0	15	3	1	0	4	1	5	5
62	0	2	7	0	5	2	0	10	4	0	15	6	1	0	8	1	5	10
63	0	2	7 $\frac{1}{2}$	0	5	3	0	10	6	0	15	9	1	1	0	1	6	3
64	0	2	8	0	5	4	0	10	8	0	16	0	1	1	4	1	6	8
65	0	2	8 $\frac{1}{2}$	0	5	5	0	10	10	0	16	3	1	1	8	1	7	1
66	0	2	9	0	5	6	0	11	0	0	16	6	1	2	0	1	7	6
67	0	2	9 $\frac{1}{2}$	0	5	7	0	11	2	0	16	9	1	2	4	1	7	11
68	0	2	10	0	5	8	0	11	4	0	17	0	1	2	8	1	8	4
69	0	2	10 $\frac{1}{2}$	0	5	9	0	11	6	0	17	3	1	3	0	1	8	9
70	0	2	11	0	5	10	0	11	8	0	17	6	1	3	4	1	9	2
71	0	2	11 $\frac{1}{2}$	0	5	11	0	11	10	0	17	9	1	3	8	1	9	7
72	0	3	0	0	6	0	0	12	0	0	18	0	1	4	0	1	10	0
73	0	3	0 $\frac{1}{2}$	0	6	1	0	12	2	0	18	3	1	4	4	1	10	5
74	0	3	1	0	6	2	0	12	4	0	18	6	1	4	8	1	10	10
75	0	3	1 $\frac{1}{2}$	0	6	3	0	12	6	0	18	9	1	5	0	1	11	3
76	0	3	2	0	6	4	0	12	8	0	19	0	1	5	4	1	11	8
77	0	3	2 $\frac{1}{2}$	0	6	5	0	12	10	0	19	3	1	5	8	1	12	1
78	0	3	3	0	6	6	0	13	0	0	19	6	1	6	0	1	12	6
79	0	3	3 $\frac{1}{2}$	0	6	7	0	13	2	0	19	9	1	6	4	1	12	11
80	0	3	4	0	6	8	0	13	4	1	0	0	1	6	8	1	13	4
81	0	3	4 $\frac{1}{2}$	0	6	9	0	13	6	1	0	3	1	7	0	1	13	9
82	0	3	5	0	6	10	0	13	8	1	0	6	1	7	4	1	14	2
83	0	3	5 $\frac{1}{2}$	0	6	11	0	13	10	1	0	9	1	7	8	1	14	7
84	0	3	6	0	7	0	0	14	0	1	1	0	1	8	0	1	15	0
85	0	3	6 $\frac{1}{2}$	0	7	1	0	14	2	1	1	3	1	8	4	1	15	5
86	0	3	7	0	7	2	0	14	4	1	1	6	1	8	8	1	15	10
87	0	3	7 $\frac{1}{2}$	0	7	3	0	14	6	1	1	9	1	9	0	1	16	3
88	0	3	8	0	7	4	0	14	8	1	2	0	1	9	4	1	16	8
89	0	3	8 $\frac{1}{2}$	0	7	5	0	14	10	1	2	3	1	9	8	1	17	1
90	0	3	9	0	7	6	0	15	0	1	2	6	1	10	0	1	17	6
91	0	3	9 $\frac{1}{2}$	0	7	7	0	15	2	1	2	9	1	10	4	1	17	11
92	0	3	10	0	7	8	0	15	4	1	3	0	1	10	8	1	18	4
93	0	3	10 $\frac{1}{2}$	0	7	9	0	15	6	1	3	3	1	11	0	1	18	9
94	0	3	11	0	7	10	0	15	8	1	3	6	1	11	4	1	19	2
95	0	3	11 $\frac{1}{2}$	0	7	11	0	15	10	1	3	9	1	11	8	1	19	7
96	0	4	0	0	8	0	0	16	0	1	4	0	1	12	0	2	0	0
97	0	4	0 $\frac{1}{2}$	0	8	1	0	16	2	1	4	3	1	12	4	2	0	5
98	0	4	1	0	8	2	0	16	4	1	4	6	1	12	8	2	0	10
99	0	4	1 $\frac{1}{2}$	0	8	3	0	16	6	1	4	9	1	13	0	2	1	3
100	0	4	2	0	8	4	0	16	8	1	5	0	1	13	4	2	1	8
500	1	0	10	2	1	8	4	3	4	6	5	0	8	6	8	10	8	4
1000	2	1	8	4	3	4	8	6	8	12	10	0	16	13	4	20	16	8
4000	8	6	8	16	13	4	33	6	8	50	0	0	66	13	4	83	6	a

RECKONING TABLES—*Continued.*

No.	At 6d.	At 1s.	At 2s.	At 3s.	At 4s.	At 5s.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
6	0 3 0	0 6 0	0 12 0	0 18 0	1 4 0	1 10 0
7	0 3 6	0 7 0	0 14 0	1 1 0	1 8 0	1 15 0
8	0 4 0	0 8 0	0 16 0	1 4 0	1 12 0	2 0 0
9	0 4 6	0 9 0	0 18 0	1 7 0	1 16 0	2 5 0
10	0 5 0	0 10 0	1 0 0	1 10 0	2 0 0	2 10 0
11	0 5 6	0 11 0	1 2 0	1 13 0	2 4 0	2 15 0
12	0 6 0	0 12 0	1 4 0	1 16 0	2 8 0	3 0 0
13	0 6 6	0 13 0	1 6 0	1 19 0	2 12 0	3 5 0
14	0 7 0	0 14 0	1 8 0	2 2 0	2 16 0	3 10 0
15	0 7 6	0 15 0	1 10 0	2 5 0	3 0 0	3 15 0
16	0 8 0	0 16 0	1 12 0	2 8 0	3 4 0	4 0 0
17	0 8 6	0 17 0	1 14 0	2 11 0	3 8 0	4 5 0
18	0 9 0	0 18 0	1 16 0	2 14 0	3 12 0	4 10 0
19	0 9 6	0 19 0	1 18 0	2 17 0	3 16 0	4 15 0
20	0 10 0	1 0 0	2 0 0	3 0 0	4 0 0	5 0 0
21	0 10 6	1 1 0	2 2 0	3 3 0	4 4 0	5 5 0
22	0 11 0	1 2 0	2 4 0	3 6 0	4 8 0	5 10 0
23	0 11 6	1 3 0	2 6 0	3 9 0	4 12 0	5 15 0
24	0 12 0	1 4 0	2 8 0	3 12 0	4 16 0	6 0 0
25	0 12 6	1 5 0	2 10 0	3 15 0	5 0 0	6 5 0
26	0 13 0	1 6 0	2 12 0	3 18 0	5 4 0	6 10 0
27	0 13 6	1 7 0	2 14 0	4 1 0	5 8 0	6 15 0
28	0 14 0	1 8 0	2 16 0	4 4 0	5 12 0	7 0 0
29	0 14 6	1 9 0	2 18 0	4 7 0	5 16 0	7 5 0
30	0 15 0	1 10 0	3 0 0	4 10 0	6 0 0	7 10 0
31	0 15 6	1 11 0	3 2 0	4 13 0	6 4 0	7 15 0
32	0 16 0	1 12 0	3 4 0	4 16 0	6 8 0	8 0 0
33	0 16 6	1 13 0	3 6 0	4 19 0	6 12 0	8 5 0
34	0 17 0	1 14 0	3 8 0	5 2 0	6 16 0	8 10 0
35	0 17 6	1 15 0	3 10 0	5 5 0	7 0 0	8 15 0
36	0 18 0	1 16 0	3 12 0	5 8 0	7 4 0	9 0 0
37	0 18 6	1 17 0	3 14 0	5 11 0	7 8 0	9 5 0
38	0 19 0	1 18 0	3 16 0	5 14 0	7 12 0	9 10 0
39	0 19 6	1 19 0	3 18 0	5 17 0	7 16 0	9 15 0
40	1 0 0	2 0 0	4 0 0	6 0 0	8 0 0	10 0 0
41	1 0 6	2 1 0	4 2 0	6 3 0	8 4 0	10 5 0
42	1 1 0	2 2 0	4 4 0	6 6 0	8 8 0	10 10 0
43	1 1 6	2 3 0	4 6 0	6 9 0	8 12 0	10 15 0
44	1 2 0	2 4 0	4 8 0	6 12 0	8 16 0	11 0 0
45	1 2 6	2 5 0	4 10 0	6 15 0	9 0 0	11 5 0
46	1 3 0	2 6 0	4 12 0	6 18 0	9 4 0	11 10 0
47	1 3 6	2 7 0	4 14 0	7 1 0	9 8 0	11 15 0
48	1 4 0	2 8 0	4 16 0	7 4 0	9 12 0	12 0 0
49	1 4 6	2 9 0	4 18 0	7 7 0	9 16 0	12 5 0
50	1 5 0	2 10 0	5 0 0	7 10 0	10 0 0	12 10 0
51	1 5 6	2 11 0	5 2 0	7 13 0	10 4 0	12 15 0
52	1 6 0	2 12 0	5 4 0	7 16 0	10 8 0	13 0 0
53	1 6 6	2 13 0	5 6 0	7 19 0	10 12 0	13 5 0
54	1 7 0	2 14 0	5 8 0	8 2 0	10 16 0	13 10 0

RECKONING TABLES—Continued.

No.	At 6d.	At 1s.	At 2s.	At 3s.	At 4s.	At 5s.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
55	1 7 6	2 15 0	5 10 0	8 5 0	11 0 0	13 15 0
56	1 8 0	2 16 0	5 12 0	8 8 0	11 4 0	14 0 0
57	1 8 6	2 17 0	5 14 0	8 11 0	11 8 0	14 5 0
58	1 9 0	2 18 0	5 16 0	8 14 0	11 12 0	14 10 0
59	1 9 6	2 19 0	5 18 0	8 17 0	11 16 0	14 15 0
60	1 10 0	3 0 0	6 0 0	9 0 0	12 0 0	15 0 0
61	1 10 6	3 1 0	6 2 0	9 3 0	12 4 0	15 5 0
62	1 11 0	3 2 0	6 4 0	9 6 0	12 8 0	15 10 0
63	1 11 6	3 3 0	6 6 0	9 9 0	12 12 0	15 15 0
64	1 12 0	3 4 0	6 8 0	9 12 0	12 16 0	16 0 0
65	1 12 6	3 5 0	6 10 0	9 15 0	13 0 0	16 5 0
66	1 13 0	3 6 0	6 12 0	9 18 0	13 4 0	16 10 0
67	1 13 6	3 7 0	6 14 0	10 1 0	13 8 0	16 15 0
68	1 14 0	3 8 0	6 16 0	10 4 0	13 12 0	17 0 0
69	1 14 6	3 9 0	6 18 0	10 7 0	13 16 0	17 5 0
70	1 15 0	3 10 0	7 0 0	10 10 0	14 0 0	17 10 0
71	1 15 6	3 11 0	7 2 0	10 13 0	14 4 0	17 15 0
72	1 16 0	3 12 0	7 4 0	10 16 0	14 8 0	18 0 0
73	1 16 6	3 13 0	7 6 0	10 19 0	14 12 0	18 5 0
74	1 17 0	3 14 0	7 8 0	11 2 0	14 16 0	18 10 0
75	1 17 6	3 15 0	7 10 0	11 5 0	15 0 0	18 15 0
76	1 18 0	3 16 0	7 12 0	11 8 0	15 4 0	19 0 0
77	1 18 6	3 17 0	7 14 0	11 11 0	15 8 0	19 5 0
78	1 19 0	3 18 0	7 16 0	11 14 0	15 12 0	19 10 0
79	1 19 6	3 19 0	7 18 0	11 17 0	15 16 0	19 15 0
80	2 0 0	4 0 0	8 0 0	12 0 0	16 0 0	20 0 0
81	2 0 6	4 1 0	8 2 0	12 3 0	16 4 0	20 5 0
82	2 1 0	4 2 0	8 4 0	12 6 0	16 8 0	20 10 0
83	2 1 6	4 3 0	8 6 0	12 9 0	16 12 0	20 15 0
84	2 2 0	4 4 0	8 8 0	12 12 0	16 16 0	21 0 0
85	2 2 6	4 5 0	8 10 0	12 15 0	17 0 0	21 5 0
86	2 3 0	4 6 0	8 12 0	12 18 0	17 4 0	21 10 0
87	2 3 6	4 7 0	8 14 0	13 1 0	17 8 0	21 15 0
88	2 4 0	4 8 0	8 16 0	13 4 0	17 12 0	22 0 0
89	2 4 6	4 9 0	8 18 0	13 7 0	17 16 0	22 5 0
90	2 5 0	4 10 0	9 0 0	13 10 0	18 0 0	22 10 0
91	2 5 6	4 11 0	9 2 0	13 13 0	18 4 0	22 15 0
92	2 6 0	4 12 0	9 4 0	13 16 0	18 8 0	23 0 0
93	2 6 6	4 13 0	9 6 0	13 19 0	18 12 0	23 5 0
94	2 7 0	4 14 0	9 8 0	14 2 0	18 16 0	23 10 0
95	2 7 6	4 15 0	9 10 0	14 5 0	19 0 0	23 15 0
96	2 8 0	4 16 0	9 12 0	14 8 0	19 4 0	24 0 0
97	2 8 6	4 17 0	9 14 0	14 11 0	19 8 0	24 5 0
98	2 9 0	4 18 0	9 16 0	14 14 0	19 12 0	24 10 0
99	2 9 6	4 19 0	9 18 0	14 17 0	19 16 0	24 15 0
100	2 10 0	5 0 0	10 0 0	15 0 0	20 0 0	25 0 0
500	12 10 0	25 0 0	50 0 0	75 0 0	100 0 0	125 0 0
1000	25 0 0	50 0 0	100 0 0	150 0 0	200 0 0	250 0 0
4000	100 0 0	200 0 0	400 0 0	600 0 0	800 0 0	1000 0 0

	£3 Os. 3d.	£3 Os. 6d.	£3 Os. 9d.	£3 1s. 0d.	£3 1s. 3d.	£3 1s. 6d.	£3 1s. 9d.	£3 2s. 0d.	£3 2s. 3d.	£3 2s. 6d.
oz.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1	3 0 3	3 0 6	3 0 9	3 1 0	3 1 3	3 1 6	3 1 9	3 2 0	3 2 3	3 2 6
2	6 0 6	6 1 0	6 1 6	6 2 0	6 2 6	6 3 0	6 3 6	6 4 0	6 4 6	6 5 0
3	9 0 9	9 1 6	9 2 3	9 3 0	9 3 9	9 4 6	9 5 3	9 6 0	9 6 9	9 7 6
4	12 1 0	12 2 0	12 3 0	12 4 0	12 5 0	12 6 0	12 7 0	12 8 0	12 9 0	12 10 0
5	15 1 3	15 2 6	15 3 9	15 5 0	15 6 3	15 7 6	15 8 9	15 10 0	15 11 3	15 12 6
6	18 1 6	18 3 0	18 4 6	18 6 0	18 7 6	18 9 0	18 10 6	18 12 0	18 13 6	18 15 0
7	21 1 9	21 3 6	21 5 3	21 7 0	21 8 9	21 10 6	21 12 3	21 14 0	21 15 9	21 17 6
8	24 2 0	24 4 0	24 6 0	24 8 0	24 10 0	24 12 0	24 14 0	24 16 0	24 18 0	25 0 0
9	27 2 3	27 4 6	27 6 9	27 9 0	27 11 3	27 13 6	27 15 9	27 18 0	27 20 3	28 2 6
10	30 2 6	30 5 0	30 7 6	30 10 0	30 12 6	30 15 6	30 17 6	31 0 0	31 2 6	31 5 0
20	60 5 0	60 10 0	60 15 0	61 0 0	61 5 0	61 10 0	61 15 0	62 0 0	62 5 0	62 10 0
30	90 7 6	90 15 0	91 2 6	91 10 0	91 17 6	92 5 0	92 12 6	93 0 0	93 7 6	93 15 0
40	120 10 0	121 0 0	121 10 0	122 0 0	122 10 0	123 0 0	123 10 0	124 0 0	124 10 0	125 0 0
50	150 12 6	151 5 0	151 17 6	152 10 0	153 2 6	153 15 0	154 7 6	155 0 0	155 12 6	156 5 0
60	180 15 0	181 10 0	182 5 0	183 0 0	183 15 0	184 10 0	185 5 0	186 0 0	186 15 0	187 10 0
70	210 17 6	211 15 0	212 12 6	213 10 0	214 7 6	215 5 0	216 2 6	217 0 0	217 17 6	218 15 0
80	241 0 0	242 0 0	243 0 0	244 0 0	245 0 0	246 0 0	247 0 0	248 0 0	249 0 0	250 0 0
90	271 2 6	272 5 0	273 7 6	274 10 0	275 12 6	276 15 0	277 17 6	278 0 0	280 2 6	281 5 0
100	301 5 0	302 10 0	303 15 0	305 0 0	306 5 0	307 10 0	308 15 0	310 0 0	311 5 0	312 10 0

	£3 2s. 9d.		£3 3s. 0d.		£3 3s. 3d.		£3 3s. 6d.		£3 3s. 9d.		£3 4s. 0d.		£3 4s. 3d.		£3 4s. 6d.		£3 4s. 9d.		£3 5s. 0d.	
Oz.	£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.	
1	3 2 9		3 3 0		3 3 3		3 3 6		3 3 9		3 4 0		3 4 3		3 4 6		3 4 9		3 5 0	
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3	9 8 3		9 9 0		9 9 9		9 10 6		9 11 3		9 12 0		9 12 9		9 13 6		9 14 3		9 15 0	
4	12 11 0		12 12 0		12 13 0		12 14 0		12 15 0		12 16 0		12 17 0		12 18 0		12 19 0		13 0 0	
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6	18 16 6		18 18 0		18 19 6		19 1 0		19 2 6		19 4 0		19 5 6		19 7 0		19 8 6		19 10 0	
7	21 19 3		22 1 0		22 2 9		22 4 6		22 6 3		22 8 0		22 9 9		22 11 6		22 13 3		22 15 0	
8	25 2 0		25 4 0		25 6 0		25 8 0		25 10 0		25 12 0		25 14 0		25 16 0		25 18 0		26 0 0	
9	28 4 9		28 7 0		28 9 3		28 11 6		28 13 9		28 16 0		28 18 3		29 0 6		29 2 9		29 5 0	
10	31 7 6		31 10 0		31 12 6		31 15 0		31 17 6		32 0 0		32 2 6		32 5 0		32 7 6		32 10 0	
20	62 15 0		63 0 0		63 5 0		63 10 0		63 15 0		64 0 0		64 5 0		64 10 0		64 15 0		65 0 0	
30	94 2 6		94 10 0		94 17 6		95 5 0		95 12 6		96 0 0		96 7 6		96 15 0		97 2 6		97 10 0	
40	125 10 0		126 0 0		126 10 0		127 0 0		127 10 0		128 0 0		128 10 0		129 0 0		129 10 0		130 0 0	
50	156 17 6		157 10 0		158 2 6		158 15 0		159 7 6		160 0 0		160 12 6		161 5 0		161 17 6		162 10 0	
60	188 5 0		189 0 0		189 15 0		190 10 0		191 5 0		192 0 0		192 15 0		193 10 0		194 5 0		195 0 0	
70	219 12 6		220 10 0		221 7 6		222 5 0		223 2 6		224 0 0		224 17 6		225 15 0		226 12 6		227 10 0	
80	251 0 0		252 0 0		253 0 0		254 0 0		255 0 0		256 0 0		257 0 0		258 0 0		259 0 0		260 0 0	
90	282 7 6		282 10 0		284 12 6		285 15 0		286 17 6		288 0 0		289 2 6		290 5 0		291 7 6		292 10 0	
100	313 15 0		315 0 0		316 5 0		317 10 0		318 15 0		320 0 0		321 5 0		322 10 0		322 15 0		325 0 0	
	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.
1	0 3 14	0 13	0 3 14	0 13	0 3 14	0 13	0 3 2 6	0 13	0 3 24	0 13	0 3 24	0 13	0 3 24	0 13	0 3 24	0 13	0 3 24	0 13	0 3 3 0	0 13
2	0 6 34	0 3	0 6 34	0 3	0 6 34	0 3	0 6 4 0	0 3	0 6 44	0 3	0 6 4 0	0 3	0 6 5 0	0 3	0 6 5 4	0 3	0 6 5 0	0 3	0 6 6 0	0 3
3	0 9 44	0 4	0 9 54	0 4	0 9 54	0 4	0 9 6 0	0 4	0 9 64	0 4	0 9 7 0	0 4	0 9 7 4	0 4	0 9 8 0	0 4	0 9 8 4	0 4	0 9 9 0	0 4
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6	0 18 9	0 9	0 18 10	0 9	0 18 11	0 9	0 19 0 0	0 9	0 19 1 0	0 9	0 19 2 0	0 9	0 19 3 0	0 9	0 19 4 0	0 9	0 19 5 0	0 9	0 19 6 0	0 9
7	1 11 0	0 10	1 12 0	0 11	1 12 1	0 10	1 12 2 0	0 11	1 12 3 0	0 11	1 12 4 0	0 11	1 12 5 0	0 11	1 12 6 0	0 11	1 12 7 0	0 11	1 12 8 0	0 11
8	1 5 1	1 0	1 5 2	1 0	1 5 3	1 0	1 5 4 0	1 0	1 5 5 0	1 0	1 5 6 0	1 0	1 5 7 0	1 0	1 5 8 0	1 0	1 5 9 0	1 0	1 5 10 0	1 0
9	1 8 2	1 2	1 8 4	1 2	1 8 5	1 2	1 8 6 0	1 2	1 8 7 0	1 2	1 8 8 0	1 2	1 8 9 0	1 2	1 8 10 0	1 2	1 9 1 0	1 2	1 9 2 0	1 2
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11	1 14 6	1 5	1 14 7	1 5	1 14 8	1 5	1 14 9 0	1 5	1 15 0 0	1 5	1 15 1 0	1 5	1 15 2 0	1 5	1 15 3 0	1 5	1 15 4 0	1 5	1 15 5 0	1 5
12	1 17 7	1 6	1 17 9	1 6	1 17 11	1 6	1 18 0 0	1 7	1 18 1 0	1 7	1 18 2 0	1 7	1 18 3 0	1 7	1 18 4 0	1 7	1 18 5 0	1 7	1 18 6 0	1 7
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14	2 3 11	1 9	2 4 1	1 9	2 4 3	1 10	2 4 4 0	1 10	2 4 5 0	1 10	2 4 6 0	1 10	2 4 7 0	1 10	2 4 8 0	1 10	2 4 9 0	1 10	2 5 0 0	1 10
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17	2 13 4	2 2	2 13 6	2 2	2 13 9	2 2	2 13 11 0	2 2	2 14 0 0	2 2	2 14 1 0	2 3	2 14 2 0	2 3	2 14 3 0	2 3	2 14 4 0	2 3	2 14 5 0	2 3
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20	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7	...	2 7
21	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8	...	2 8
22	...	2 10	...	2 10	...	2 10	...	2 10	...	2 11	...	2 11	...	2 11	...	2 11	...	2 11	...	2 11
23	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0	...	3 0







	£3 10s. 3d.	£3 10s. 6d.	£3 10s. 9d.	£3 11s. 0d.	£3 11s. 3d.	£3 11s. 6d.	£3 11s. 9d.	£3 12s. 0d.	£3 12s. 3d.	£3 12s. 6d.
oz.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1	3 10 3	3 10 6	3 10 9	3 11 0	3 11 3	3 11 6	3 11 9	3 12 0	3 12 3	3 12 6
2	7 0 6	7 1 0	7 1 6	7 2 0	7 2 6	7 3 0	7 3 6	7 4 0	7 4 6	7 5 0
3	10 10 9	10 11 6	10 12 3	10 13 0	10 13 9	10 14 6	10 15 3	10 16 0	10 16 9	10 17 6
4	14 1 0	14 2 0	14 3 0	14 4 0	14 5 0	14 6 0	14 7 0	14 8 0	14 9 0	14 10 0
5	17 11 3	17 12 6	17 13 9	17 15 0	17 16 3	17 17 6	17 18 9	18 0 0	18 1 3	18 2 6
6	21 1 6	21 3 0	21 4 6	21 6 0	21 7 6	21 9 0	21 10 6	21 12 0	21 13 6	21 15 0
7	24 11 9	24 13 6	24 15 3	24 17 0	24 18 9	25 0 6	25 2 3	25 4 0	25 5 9	25 7 6
8	28 2 0	28 4 0	28 6 0	28 8 0	28 10 0	28 12 0	28 14 0	28 16 0	28 18 0	29 0 0
9	31 12 3	31 14 6	31 16 9	31 19 0	32 1 3	32 3 6	32 5 9	32 8 0	32 10 3	32 12 6
10	35 2 6	35 5 0	35 7 6	35 10 0	35 12 6	35 15 0	35 17 6	36 0 0	36 2 6	36 5 0
20	70 5 0	70 10 0	70 15 0	71 0 0	71 5 0	71 10 0	71 15 0	72 0 0	72 5 0	72 10 0
30	105 7 6	105 15 0	106 2 6	106 10 0	106 17 6	107 5 0	107 12 6	108 0 0	108 7 6	108 15 0
40	140 10 0	141 0 0	141 10 0	142 0 0	142 10 0	143 0 0	143 10 0	144 0 0	144 10 0	145 0 0
50	175 12 6	176 5 0	176 17 6	177 10 0	178 2 6	178 15 0	179 7 6	180 0 0	180 12 6	181 5 0
60	210 15 0	211 10 0	212 5 0	213 0 0	213 15 0	214 10 0	215 5 0	216 0 0	216 15 0	217 10 0
70	245 17 6	246 15 0	247 12 6	248 10 0	249 7 6	250 5 0	251 2 6	252 0 0	252 17 6	253 15 0
80	281 0 0	282 0 0	283 0 0	284 0 0	285 0 0	286 0 0	287 0 0	288 0 0	289 0 0	290 0 0
90	316 2 6	317 5 0	318 7 6	319 10 0	320 12 6	321 15 0	322 17 6	324 0 0	325 2 6	326 5 0
100	351 5 0	352 10 0	353 15 0	355 0 0	356 5 0	357 10 0	358 15 0	360 0 0	361 5 0	362 10 0

	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.	Dwts.		Grs.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1	0	3	6	0	1	0	0	3	6	0	1	0	0	3	6	0	1	0	0	3	6	0	1	0	0	3	6	0	1	0	0	3	6	0	1	0	0	
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	£3 12s. 9d.		£3 15s. 0d.		£3 13s. 3d.		£3 13s. 6d.		£3 13s. 9d.		£3 14s. 0d.		£3 14s. 3d.		£3 14s. 6d.		£3 14s. 9d.		£3 15s. 0d.	
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2	7	5 6	7	6 0	7	6 6	7	7 0	7	7 6	7	8 0	7	8 6	7	9 0	7	9 6	7	10 0
3	10	18 3	10	19 0	10	19 9	11	0 6	11	1 3	11	2 0	11	2 9	11	3 6	11	4 3	11	5 0
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8	29	2 0	29	4 0	29	6 0	29	8 0	29	10 0	29	12 0	29	14 0	29	16 0	29	18 0	30	0 0
9	32	14 9	32	17 0	32	19 3	33	1 6	33	3 9	33	6 0	33	8 3	33	10 6	33	12 9	33	15 0
10	36	7 6	36	10 0	36	12 6	36	15 0	36	17 6	37	0 0	37	2 6	37	5 0	37	7 6	37	10 0
20	72	15 0	73	0 0	73	5 0	73	10 0	73	15 0	74	0 0	74	5 0	74	10 0	74	15 0	75	0 0
30	109	2 6	109	10 0	109	17 6	110	5 0	110	12 6	111	0 0	111	7 6	111	15 0	112	2 6	112	10 0
40	145	10 0	146	0 0	146	10 0	147	0 0	147	10 0	148	0 0	148	10 0	149	0 0	149	10 0	150	0 0
50	181	17 6	182	10 0	183	2 6	183	15 0	184	7 6	185	0 0	185	12 6	186	5 0	186	17 6	187	10 0
60	218	5 0	219	0 0	219	15 0	220	10 0	221	5 0	222	0 0	222	15 0	223	10 0	224	5 0	225	0 0
70	254	12 6	255	10 0	256	7 6	257	5 0	258	2 6	259	0 0	259	17 6	260	15 0	261	12 6	262	10 0
80	291	0 0	292	0 0	293	0 0	294	0 0	295	0 0	296	0 0	297	0 0	298	0 0	299	0 0	300	0 0
90	327	7 6	328	10 0	329	12 6	330	15 0	331	17 6	333	0 0	334	2 6	335	5 0	336	7 6	337	10 0
100	363	15 0	365	0 0	366	5 0	367	10 0	368	15 0	370	0 0	371	5 0	372	10 0	373	15 0	375	0 0

	£3 15s. 3d.		£3 15s. 6d.		£3 15s. 9d.		£3 16s. 0d.		£3 16s. 3d.		£3 16s. 6d.		£3 16s. 9d.		£3 17s. 0d.		£3 17s. 3d.		£3 17s. 6d.	
os.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
1	3	5 3	3	15 6	3	15 9	3	16 0	3	16 3	3	16 6	3	16 9	3	17 0	3	17 3	3	17 6
2	7	10 6	7	11 0	7	11 6	7	12 0	7	12 6	7	13 0	7	13 6	7	14 0	7	14 6	7	15 0
3	11	5 9	11	6 6	11	7 3	11	8 0	11	8 9	11	9 6	11	10 3	11	11 0	11	11 9	11	12 6
4	15	1 0	15	2 0	15	3 0	15	4 0	15	5 0	15	6 0	15	7 0	15	8 0	15	9 0	15	10 0
5	18	16 3	18	17 6	18	18 9	19	0 0	19	1 3	19	2 6	19	3 9	19	5 0	19	6 3	19	7 6
6	22	11 6	22	13 0	22	14 6	22	16 0	22	17 6	22	19 0	23	0 6	23	2 0	23	3 6	23	5 0
7	26	6 9	26	8 6	26	10 3	26	12 0	26	13 9	26	15 6	26	17 3	26	19 0	27	0 9	27	2 6
8	30	2 0	30	4 0	30	6 0	30	8 0	30	10 0	30	12 0	30	14 0	30	16 0	30	18 0	31	0 0
9	33	17 3	33	19 6	34	1 9	34	4 0	34	6 3	34	8 6	34	10 9	34	13 0	34	15 3	34	17 6
10	37	12 6	37	15 0	37	17 6	38	0 0	38	2 6	38	5 0	38	7 6	38	10 0	38	12 6	38	15 0
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30	112	17 6	113	5 0	113	12 6	114	0 0	114	7 6	114	15 0	115	2 6	115	10 0	115	17 6	116	5 0
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60	225	15 0	226	10 0	227	5 0	228	0 0	228	15 0	229	10 0	230	5 0	231	0 0	231	15 0	232	10 0
70	263	7 6	264	5 0	265	2 6	266	0 0	266	17 6	267	15 0	268	12 6	269	10 0	270	7 6	271	5 0
80	301	0 0	302	0 0	303	0 0	304	0 0	305	0 0	306	0 0	307	0 0	308	0 0	309	0 0	310	0 0
90	338	12 6	339	15 0	340	17 6	342	0 0	343	2 6	344	5 0	345	7 6	346	10 0	347	12 6	348	15 0
100	376	5 0	377	10 0	378	15 0	380	0 0	381	5 0	382	10 0	383	15 0	385	0 0	386	5 0	387	10 0





	£4 Os. 3d.	£4 Os. 6d.	£4 Os. 9d.	£4 1s. 0d.	£4 1s. 3d.	£4 1s. 6d.	£4 1s. 9d.	£4 2s. 0d.	£4 2s. 3d.	£4 2s. 6d.
oz.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1	4 0 0	4 0 6	4 0 9	4 1 0	4 1 3	4 1 6	4 1 9	4 2 0	4 2 3	4 2 6
2	8 0 0	8 1 0	8 1 3	8 2 0	8 2 6	8 3 0	8 3 6	8 4 0	8 4 6	8 5 0
3	12 0 0	12 1 0	12 1 3	12 3 0	12 3 9	12 4 6	12 5 3	12 6 0	12 6 9	12 7 6
4	16 1 0	16 2 0	16 3 0	16 4 0	16 5 0	16 6 0	16 7 0	16 8 0	16 9 0	16 10 0
5	20 1 3	20 2 6	20 3 9	20 5 0	20 6 3	20 7 6	20 8 9	20 10 0	20 11 3	20 12 6
6	24 1 6	24 3 0	24 4 6	24 6 0	24 7 6	24 9 0	24 10 6	24 12 0	24 13 6	24 15 0
7	28 1 9	28 3 6	28 5 3	28 7 0	28 8 9	28 10 6	28 12 3	28 14 0	28 15 9	28 17 6
8	32 2 0	32 4 0	32 6 0	32 8 0	32 10 0	32 12 0	32 14 0	32 16 0	32 18 0	33 0 0
9	36 2 3	36 4 6	36 6 9	36 9 0	36 11 3	36 13 6	36 15 9	36 18 0	37 0 3	37 2 6
10	40 2 6	40 5 0	40 7 6	40 10 0	40 12 6	40 15 0	40 17 8	41 0 0	41 2 6	41 5 0
20	80 5 0	80 10 0	80 15 0	81 0 0	81 5 0	81 10 0	81 15 0	82 0 0	82 5 0	82 10 0
30	120 7 6	120 15 0	121 2 6	121 10 0	121 17 6	122 5 0	122 12 6	123 0 0	123 7 6	123 15 0
40	160 10 0	161 0 0	161 10 0	162 0 0	162 10 0	163 0 0	163 10 0	164 0 0	164 10 0	165 0 0
50	200 12 6	201 5 0	201 17 6	202 10 0	203 2 6	203 15 0	204 7 6	205 0 0	205 12 6	206 5 0
60	240 15 0	241 10 0	242 5 0	243 0 0	243 15 0	244 10 0	245 5 0	246 0 0	246 15 0	247 10 0
70	280 17 6	281 15 0	282 12 6	283 10 0	284 7 6	285 5 0	286 2 6	287 0 0	287 17 6	288 15 0
80	321 0 0	322 0 0	323 0 0	324 0 0	325 0 0	326 0 0	327 0 0	328 0 0	329 0 0	330 0 0
90	361 2 6	362 5 0	363 7 6	364 10 0	365 12 6	366 15 0	367 17 6	369 0 0	370 2 6	371 5 0
100	401 5 0	402 10 0	403 15 0	405 0 0	406 5 0	407 10 0	408 15 0	410 0 0	411 5 0	412 10 0

	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.	Dwts.	Grs.
	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.	£ s. d.	s. d.
1	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2	0 4 0	0 2
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6	1 4 0	0 11	1 4 1	0 11	1 4 2	0 11	1 4 3	0 11	1 4 4	0 11	1 4 5	0 11	1 4 6	0 11	1 4 7	0 11	1 4 8	0 11	1 4 9	0 11
7	1 8 1	1 2	1 8 2	1 2	1 8 3	1 2	1 8 4	1 2	1 8 5	1 2	1 8 6	1 2	1 8 7	1 2	1 8 8	1 2	1 8 9	1 2	1 9 0	1 2
8	1 12 1	1 4	1 12 2	1 4	1 12 3	1 4	1 12 4	1 4	1 12 5	1 4	1 12 6	1 4	1 12 7	1 4	1 12 8	1 4	1 12 9	1 4	1 13 0	1 4
9	1 16 1	1 6	1 16 2	1 6	1 16 3	1 6	1 16 4	1 6	1 16 5	1 6	1 16 6	1 6	1 16 7	1 6	1 16 8	1 6	1 16 9	1 6	1 17 0	1 6
10	1 20 1	1 8	1 20 2	1 8	1 20 3	1 8	1 20 4	1 8	1 20 5	1 8	1 20 6	1 8	1 20 7	1 8	1 20 8	1 8	1 20 9	1 8	1 21 0	1 8
4	1 11 10	2 4	1 11 11	2 4	1 11 12	2 4	1 11 13	2 4	1 11 14	2 4	1 11 15	2 4	1 11 16	2 4	1 11 17	2 4	1 11 18	2 4	1 11 19	2 4
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24	2 6 3	3 0	2 6 4	3 0	2 6 5	3 0	2 6 6	3 0	2 6 7	3 0	2 6 8	3 0	2 6 9	3 0	2 6 10	3 0	2 6 11	3 0	2 6 12	3 0
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28	2 10 3	3 8	2 10 4	3 8	2 10 5	3 8	2 10 6	3 8	2 10 7	3 8	2 10 8	3 8	2 10 9	3 8	2 10 10	3 8	2 10 11	3 8	2 10 12	3 8
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32	3 2 3	16 11	3 2 4	16 11	3 2 5	16 11	3 2 6	16 11	3 2 7	16 11	3 2 8	16 11	3 2 9	16 11	3 2 10	16 11	3 2 11	16 11	3 2 12	16 11
34	3 4 4	...	3 4 5	...	3 4 6	...	3 4 7	...	3 4 8	...	3 4 9	...	3 4 10	...	3 4 11	...	3 4 12	...	3 4 13	...
36	3 6 4	...	3 6 5	...	3 6 6	...	3 6 7	...	3 6 8	...	3 6 9	...	3 6 10	...	3 6 11	...	3 6 12	...	3 6 13	...
38	3 8 4	...	3 8 5	...	3 8 6	...	3 8 7	...	3 8 8	...	3 8 9	...	3 8 10	...	3 8 11	...	3 8 12	...	3 8 13	...
40	3 10 4	...	3 10 5	...	3 10 6	...	3 10 7	...	3 10 8	...	3 10 9	...	3 10 10	...	3 10 11	...	3 10 12	...	3 10 13	...

	£4 2s. 9d.		£4 3s. 0d.		£4 3s. 3d.		£4 3s. 6d.		£4 3s. 9d.		£4 4s. 0d.		£4 4s. 3d.		£4 4s. 6d.		£4 4s. 9d.		£4 5s. 0d.			
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1	4	2 9	4	3 0	4	3 3	4	5 6	4	3 9	4	4 0	4	4 3	4	4 6	4	4 9	4	5 0		
2	8	5 6	8	6 0	8	6 6	8	7 0	8	7 6	8	8 0	8	8 6	8	9 0	8	9 6	8	10 0		
3	12	8 3	12	9 0	12	9 9	12	10 6	12	11 3	12	12 0	12	12 9	12	13 6	12	14 3	12	15 0		
4	16	11 0	16	12 0	16	13 0	16	14 0	16	15 0	16	16 0	16	17 0	16	18 0	16	19 0	17	0 0		
5	20	13 9	20	15 0	20	16 3	20	17 6	20	18 9	21	0 0	21	1 3	21	2 6	21	3 9	21	5 0		
6	24	16 6	24	18 0	24	19 6	25	1 0	25	2 6	25	4 0	25	5 6	25	7 0	25	8 6	25	10 0		
7	28	19 3	29	1 0	29	2 9	29	4 6	29	6 3	29	8 0	29	9 9	29	11 6	29	13 3	29	15 0		
8	32	2 0	33	4 0	33	6 0	33	8 0	33	10 0	33	12 0	33	14 0	33	16 0	33	18 0	34	0 0		
9	37	4 9	37	7 0	37	9 3	37	11 6	37	13 9	37	16 0	37	18 3	38	0 6	38	2 9	38	5 0		
10	41	7 6	41	10 0	41	12 6	41	15 0	41	17 6	42	0 0	42	2 6	42	5 0	42	7 6	42	10 0		
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40	165	10 0	166	0 0	166	10 0	167	0 0	167	10 0	168	0 0	168	10 0	169	0 0	169	10 0	170	0 0		
50	206	17 6	207	10 0	208	2 6	208	15 0	209	7 6	210	0 0	210	12 6	211	5 0	211	17 6	212	10 0		
60	248	5 0	249	0 0	249	15 0	250	10 0	251	5 0	252	0 0	252	15 0	253	10 0	254	5 0	255	0 0		
70	29	12 6	290	10 0	291	7 6	292	5 0	293	2 6	294	0 0	294	17 6	295	15 0	296	12 6	297	10 0		
80	331	0 0	332	0 0	333	0 0	334	0 0	335	0 0	336	0 0	337	0 0	338	0 0	339	0 0	340	0 0		
90	372	7 6	373	10 0	374	12 6	375	15 0	376	17 6	378	0 0	379	2 6	380	5 0	381	7 6	382	10 0		
100	413	15 0	415	0 0	416	5 0	417	10 0	418	15 0	420	0 0	421	5 0	422	10 0	423	15 0	425	0 0		
	Dwts.		Grs.		Dwts.		Grs.		Dwts.		Grs.		Dwts.		Grs.		Dwts.		Grs.			
	£	s. d.	s. d.	£	s. d.	s. d.	£	s. d.	s. d.	£	s. d.	s. d.	£	s. d.	s. d.	£	s. d.	s. d.	£	s. d.		
1	0	4	1 1/2	0	2	0	0	4	1 1/2	0	2	0	0	4	2 1/2	0	2	0	0	4	3 0	
2	0	8	3 1/2	0	4	0	8	3 1/2	0	4	0	8	4 1/2	0	4	0	8	5 0	0	4	0	
3	0	12	4 1/2	0	6	0	12	5 0	0	6	0	12	6 0	0	6	0	12	8 0	0	6	0	
4	0	16	6 1/2	0	8	0	16	7 0	0	8	0	16	8 0	0	8	0	16	10 0	0	8	0	
5	1	0	8 1/2	0	10	1	0	9 0	0	10	1	0	10 1/2	1	0	0	10	1 1/2	0	10	1 1/2	
6	1	4	9 1/2	1	0	1	4	11 1/2	1	0	1	5 0	1	0	1	5 1/2	1	0	1	6 0	1	0
7	1	8	11 1/2	1	2	1	9 0	0	1	2	1	9 1/2	1	2	1	11 1/2	1	2	1	13 1/2	1	2
8	1	13	1 1/2	1	4	1	13 1/2	1	4	1	13 3/4	1	4	1	13 1/2	1	4	1	13 3/4	1	4	
9	1	17	2 1/2	1	6	1	17 1/2	1	6	1	17 3/4	1	6	1	17 1/2	1	6	1	17 3/4	1	6	
10	2	1	1 1/2	1	8	2	1	18 1/2	2	1	10	1	8 1/2	2	1	10 1/2	2	1	10 1/2	2	1	
11	2	5	6 1/2	1	10	2	5	9 1/2	1	10	2	5	11 1/2	1	10	2	5	11 1/2	1	10	2	
12	2	9	7 1/2	2	0	2	9	9 1/2	2	0	2	10 1/2	2	0	2	10 3/4	2	0	2	11 1/4	2	0
13	2	13	9 1/2	2	2	2	13 1/2	2	2	2	14 1/2	2	2	2	14 3/4	2	2	2	14 1/2	2	2	
14	2	17	11 1/2	2	4	2	17 1/2	2	4	2	17 3/4	2	4	2	17 1/2	2	4	2	17 3/4	2	4	
15	3	2	0 1/2	2	2	3	2	3 1/2	2	2	3	2	3 1/2	2	2	3 3/4	2	2	3	2	3 1/2	
16	3	6	2 1/2	2	6	3	6	4 1/2	2	6	3	6 1/2	2	6	3	6 3/4	2	6	3	6 1/2	2	6
17	3	10	4 1/2	2	10	3	10	6 1/2	2	10	3	10 1/2	2	10	3	10 3/4	2	10	3	10 1/2	2	10
18	3	14	5 1/2	3	1	3	14 1/2	3	1	3	15 1/2	3	1	3	15 3/4	3	1	3	15 1/2	3	1	
19	3	18	7 1/2	3	3	3	18 1/2	3	3	3	19 1/2	3	3	3	19 3/4	3	3	3	19 1/2	3	3	
20	...	3	5 1/2	...	3	5 1/2	...	3	5 1/2	...	3	5 1/2	...	3	5 1/2	...	3	5 1/2	...	3	5 1/2	
21	...	3	7 1/2	...	3	7 1/2	...	3	7 1/2	...	3	7 1/2	...	3	7 1/2	...	3	7 1/2	...	3	7 1/2	
22	...	3	9 1/2	...	3	9 1/2	...	3	9 1/2	...	3	9 1/2	...	3	9 1/2	...	3	9 1/2	...	3	9 1/2	
...	...	3	11 1/2	...	3	11 1/2	...	3	11 1/2	...	3	11 1/2	...	3	11 1/2	...	3	11 1/2	...	3	11 1/2	

## ROCKHAMPTON DIRECTORY.

**MUNICIPAL COUNCIL.**—Mayor—A. Fees. Aldermen—J. Bundy, W. G. Caporn, W. G. Jackson, J. Macfarlane, R. Sharples, W. F. Walton, J. Ferguson, W. Higson. Town Clerk—W. Davis. Town Surveyor—W. C. Clements. Revenue Collector—W. H. Buschell. Accountant—P. J. Payne. Messenger—F. Laurie. Inspector of Nuisances—H. Bickle.

Valuation of property in 1878, £53,546 10s. Rate at 1s. in £, £2,677 6s. Valuation of property in 1879, £54,993 1s. Rate at 1s. in £, £2,749 13s. Total Revenue for 1878, £16,656 9s. Expenditure for 1878, £16,696 2s. 9d.

**WATERWORKS**—Cost of Construction to 30th June, 1879, £22,640 9s. 8d. Received to 30th June, 1879, £2,046 2s. 8d. Salaries paid for 1878, £731 10s. 8d.

**SCHOOL OF ARTS.**—President—J. Headrick. Vice-Presidents—J. Macfarlane and W. Pattison. Treasurer—W. Davis. Committee—T. T. Faunce, H. Jones, W. F. Walton, S. Hill, J. McPherson, J. J. Wood, M. Fitzmaurice, and Dr. Thon. Secretary and Librarian—G. Pilcher. The library contains about 4,600 vols., and is open from 9 to 11 a.m. and 4 till 6 p.m. daily (Sundays excepted), and 7 till 9 p.m. on Monday, Wednesday, Friday, and Saturday. The Reading-room is open from 9 a.m. till 10 p.m. daily. The income of the Institution is about £700 per annum. The building cost about £2,300; it is, and always has been, free from debt. Connected with the Institution is a museum containing about 700 specimens in Mineralogy and Natural History.

**FITZROY PASTORAL, AGRICULTURAL, AND HORTICULTURAL SOCIETY**—Established 1874.—President—A. H. Palmer. Vice-Presidents—W. G. Jackson, Archibald Archer. Committee—E. P. Livermore, Thomas Archer, W. C. Clements, J. Ferguson, J. Button, J. S. Edgar, J. Murray, W. Pattison, H. Jones, J. Thomson, E. S. Lucas, J. Macfarlane, J. Brown, W. H. Holt, D. Martin, W. Orr, G. M. Leigh, J. Macpherson, W. O. Lamond, W. F. Berkelman, J. Kirwan, J. Atherton. Hon. Treasurer—E. P. Livermore. Hon. Secretary—H. W. Risien.

**ROCKHAMPTON JOCKEY CLUB.**—President—A. W. Jardine. Vice-President—W. J. Jackson. Committee—T. S. Hall, W. K. D'Arcy, H. Milman, J. Macpherson, W. F. Berkelman, M. Fitzmaurice, R. R. Jones, W. Flynn, Geo. Fox, T. T. Cummins. Secretary—H. W. Risien.

## TRADES AND PROFESSIONS.

**Agents (Mercantile and Commission).**

Brown and Risien, East-street  
Dibdin, R. L., East-street  
Hunter, R. M., and Co., William-street  
Jackson and Co., East-street  
MacDermott Brothers, Quay-street  
Macfarlane, John, Quay-street  
Milman and Kirwan, Denham-street  
Morehead, B. D., and Co.  
Ogg, E. K., Quay-street  
Shaw, G. B., Quay-street  
Thompson, James, East-street  
Thompson, W. and M. C., Quay-street  
Wood & Wood (A.S.N. Co.'s agents), Quay-st.

**Architects.**

Scarr, F., Quay-street  
Wilson, J. W., East-street  
Williams, S., East-street

**Auctioneers.**

Alexander and Co., East-street  
Brown and Risien, East-street  
Curtis, G. S., Denham-street  
Dibdin and Cummins, East-street  
McDermott Brothers, Quay-street  
Milman and Kirwan, Denham-street  
Shaw, G. B., Quay-street

**Bakers.**

Ansell, H., East-street  
Bundy, J., East-street  
Delehanty, —, William-street  
Kronan, Bolsover-street  
Schmidt, H., East-street

**Banks.**

Australian Joint Stock Bank, Quay-street  
Bank of New South Wales, Denham and Bolsover-streets

Commercial Bank, Denham-street  
Queensland National Bank, Denham-street  
Union Bank, Quay-street

**Biscuit Bakers.**

Ansell, H., East-street  
Mederaf, E.  
Schmidt, H., East-street

**Blacksmiths and Shoeing Forges.**

Fraser, D., Fitzroy-street  
Jones, T. and Co., East-street  
McVeigh, C., William-street  
Newton, James, Lower Dawson-road  
Reid, J., Denison-street  
Ryan, M., William-street  
Swift and Ryan, Quay-lane

**Boarding Houses.**

European Boarding House, Quay-street  
Hartung's Boarding House, Bolsover-street  
Pago, Mrs., East-street

**Booksellers and Stationers.**

Hopkins, W., Denham-street  
Munro, William, East-street

**Bookbinder.**

Buderus, L., East-street

**Bootmakers.**

Bletcher, G., East-street  
Bohan, J., William-street  
Boyce, J., East-street  
Gariner, W., East-street  
Henderson, —, William-street  
McKeowan, P., William-street

**Boot Warehousemen.**

Bletcher, G., East-street  
Boyce, J., East-street  
Face, P. W., East-street  
Forrest, J., East-street  
Gardner, W., East-street  
Henderson, —, William-street

**Builders and Contractors.**

Collins and McLean  
Ferguson, John, Cambridge-street  
George, G. W.  
Henry, —

**Building Societies.**

Nos. 5, 6, and 7—Dibdin, R. L., Secretary.

**Butchers.**

Boyd, G., Denham-street  
Hurley, —, Bolsover-street  
Kirkham, —, East-street  
Martin Bros., Bolsover-street  
Pattison, W., William-street

**Cabinetmakers and Upholsterers.**

Kasch and Jørgensen, East-street  
McIntosh, D., East-street  
McKenny, —, East-street

**Chemists and Druggists.**

Cripps, C. F., East-street  
Ingram and Co., William-street  
Martin, A., East-street  
Paynter, R. E., East-street  
Row, E. R., East-street

**Coach Builders.**

Fraser, D., Fitzroy-street  
Jones and Co., East-street  
Mason and Co., William-street  
Ryan and Co., William-street

**Companies.**

A.S.N. Co., Quay-street  
Gas and Coke Co., Quay-street

**Confectioners, Wholesale and Retail.**

Ansell, H., East-street  
Mederaf, —, East-street  
Richards, J., East-street

**Cooper.**

Dennis, George, Quay-lane

**Dentist.**

Forward, R., East-street

**Dining and Refreshment Rooms.**

Mederaf, East-street  
Richards, J., East-street

**Drapers, Clothiers, &c.**

Davies, East-street  
Face and Co., East-street  
Forrest, J., East-street  
Isles, Finney, and Co., East-street  
Meikle and Stewart, East-street  
McGowan, East-street  
Sandel, L., (clothier and outfitter), East-street  
Stewart and Lucas, East-street  
Walker, P. W., East-street

**Earthen and Glass Ware.**

Acheson and Allen, William-street  
Nixon, William, East-street

**Engineers and Founders.**

Burns and Twigg

**Fruiterers.**

Hart, J. J., East-street  
Wright, A. W., East-street

**Ginger Beer and Cordial Manufacturers.**

May, G., Fitzroy-street  
Morris, Samuel, East-street  
Hume, Bolsover-street

**Glaziers, House and Sign Painters.**

Bevis, T., East-street  
Brackley, —, Quay-street  
Gough, —, East-street  
Aspinall, W., William-street

**Grocers.**

Acheson and Allen, William-street  
Beed, H., East-street  
Budden, F. F., East-street  
Cook, Walter, East-street  
Egan, P., Upper Dawson-road  
Hayes, J., William-street  
Higson, William, William-street  
Kin Teen, Bolsover-street  
Leigh, G. M., East-street  
Walton, W. F., East-street  
Hanley, J., East-street

**Gunsmith.**

Morrey, F., East-street

**Hairdressers.**

Gravel, A., East-street  
Lauderdale, T., East-street

**Hotels.**

Briggs, D., Commercial Hotel, East and Denham streets  
Callaghan, Oxford Arms Hotel, East-street  
Gibbs, J., Leichhardt Hotel, Denham and Bolsover streets  
Dean, T., Commercial Hotel, Quay and William streets



Dunmore Arms Hotel, William-street  
Egan, P., Old Merry Jig Hotel, Upper Dawson  
road

Evans, Royal Hotel  
Flynn, W., European Hotel, East-street  
Freemason's Arms Hotel, William-street  
Gregory, F., Normanby Hotel, William and  
Bolsover streets

Hibernian Hotel, Bolsover and William  
streets

Kentish Arms, William-street  
Lately, G., Universal Hotel  
Laurie, Mrs., Criterion Hotel, Fitzroy-street  
McGregor, Mrs., Queen's Hotel  
Comley, —, Alma Hotel, Alma-street  
Nash, Union Hotel, East and William streets  
Nurcombe, R., Square and Compass Hotel,  
Bolsover-street

O'Neil, Golden Age Hotel, East-street  
Vesperman, Belmore Arms

### Ironmonger.

Nixon, East street  
Pearse, W., East-street

### Jewellers and Watchmakers.

Kingel, T., East street  
Slater and Co., East-street  
Bredfield, E., East-street  
Spenser and Sale, East-street

### Merchants.

Feez, A., East-street  
Headrick, John, and Co., William-street  
Hunter, R. M., and Co., William-street  
McDermott Brothers, Quay-street  
Morehead and Co., William street  
Reid, Walker, and Co., Quay-street  
Thomson, W. and M. C., Quay-street

### Monumental Mason.

Hounsell, G., Fitzroy-street

### Musical Instruments (Importer of).

Munro, Wm., East-street

### Nightman.

Goddard, F., Fitzroy-street

### Pawnbrokers.

Cort, —, Bolsover-street  
McKean, J., William-street

### Photographers.

Buderus, Louis, East-street  
Wildor, J. W., East-street

### Plumber and Gasfitter.

Wakefield, J., East-street

### Printers.

*Bulletin* Printing Office, Denham-street  
*Northern Argus* Printing Office, East-street

### Produce Merchants.

Acheson and Allen, William-street  
Irwin, T., William-street  
Pattison, J., William-street

### Saddlers.

Rutherford, J., East-street  
Bones, J., William-street  
Pybus, Charles, East street  
Seaulon, John, East and William-streets

### Sailmaker and Ship Chandler.

Layman, —, William-street

### Seedsmen.

Hart, J., East-street  
Leigh, G. M., East-street  
Wright, W. H., East street

### Servants' Registry Offices.

Baden, Mrs., Fitzroy-street

### Shipbuilder.

Morris, C., North Rockhampton

### Scap and Candle Works.

Boldeman, W., Upper Dawson-road

### Solicitors.

D'Arcy, W. K., Denham-street  
Jones, R. R., and Brown, Reid's Buildings,  
Denham-street  
Melbourne, S. D., Fitzroy-street  
Milford, H., East-street  
Lyons, R., Denham-street

### Surveyors.

Clements, W. C., (Town Surveyor) Bolsover-  
street  
Wood, A. F.

### Tailors.

Price, G., William-street  
Stewart and Lucas, East and Denham streets  
Sandel, L., East-street

### Timber Merchants.

Johnson and Severin, East-street  
Jones, Henry, East-street  
Ramsay and Co.  
Watson, Hart, and Co.

### Tinsmiths

M'Mullen, H., William-street  
Woodger, C., William-street

### Tobacconists.

John, C. M., East-street  
Downer, P., East-street

### Undertakers.

Tucker, T. G., Alma and Denham streets  
Black, —, Bolsover-street

### Window and Door Factories.

Summer, R., Denham-street  
Wiley, G., East-street

### Wine and Spirit Merchants.

Caporn, W. G., East-street  
Feez, A., East-street  
McDermott Brothers  
Morehead and Co.  
Reid, Walker, and Co.  
Headrick and Co.  
Hunter, R. M., and Co.  
Walton, W. F., East-street

### Wheelwrights.

Cavanagh, T. H., Lower Dawson Road  
Fraser, D., Fitzroy-street  
Jones and Co., East-street  
Merson, —, William-street  
Newton, J., Lower Dawson Road  
Ryan and Co., William-street

## DIRECTIONS FOR MAKING A WILL.

—o—

A WILL cannot be made too simple or concise ; it must be written with ink, on paper or parchment, and must be signed at the end by the testator, in the presence of two or more witnesses ; if written on more than one sheet, the testator and the witnesses should sign each sheet.

The witnesses must comply with every particular required by the Attestation Clause, at the end of which they must sign their names, Christian as well as Surname.

The signature of the testator must be acknowledged by him, in the presence of the witnesses ; and, in order that this may be properly done, he must (after having signed the Will) take it in his hand and say " I acknowledge this to be my last Will and Testament, and request you to witness it." The following form may suffice ; but others, prepared for filling up and signing, with the conditions hereinafter described, can be procured from stationers :

**WILL.**—This is the last Will and Testament of me, of  
near                      in the county of                      After payment of my just  
debts, funeral, and testamentary expenses, I give, devise, and bequeath  
unto                      also to                      And to the residue, and remainder of  
all my real and personal Estate, I give, devise, and bequeath the same  
unto                      And I hereby appoint                      or the survivor of them,  
and                      Executors to this my last Will, as witness my hand  
this                      of                      18

**ATTESTATION.**—Signed and acknowledged by the said  
the testator as and for his last Will and Testament, in the presence of }  
us, being present at the same time, who, at his request, in his presence, }  
and in the presence of each other, have hereunto subscribed our }  
names as witnesses. }

A Codicil to a Will is to be made with the same regulations as the Will itself, and may be written thus :—

This is a Codicil to my last Will and Testament, bearing date the  
day of                      18                      , and which I direct to be taken as part thereof. I give,  
devise, and bequeath, &c. As witness my hand, this                      day

**NOTE.**—Obliterations and Alterations of any sort in a will ought, if possible, to be avoided, when of necessity made, they must be signed by the Testator and Witnesses on the margin, or as near to the alteration as possible. Marriage after making a will renders the will void. If a Witness is interested in the Will, the claim to such interest becomes forfeited. If a person wishes to dispose of all his property in one gift, the words " all my real and personal estate " may be used. A will may be so folded as to prevent any other part than signature, and the Attestation clause being read by witnesses.

Personal Property left without a Will is divisible as under :—If the deceased should leave Children and no Widow, the whole property is to be divided equally among the Children. If he leave a Widow and Child or Children, the former is entitled to one-third, and the latter to the remaining two-thirds. If he leave a Widow and no Child, the former is entitled to half, and the next of kin to the remainder as follows :—A Father, the whole amount. If no Father or Mother, Brothers, or Sisters, or their issue, equal portions. If none, Uncles, Aunts, and Nieces, equal portions.

Will Forms may be obtained from W. Munro, Stationer, etc.,  
East-street, Rockhampton.

# IMMIGRATION ACT

OF  
1872.

## REMITTANCE PASSENGERS.

### BRITISH.

PERSONS resident in Queensland, wishing to obtain passages to the Colony for their Friends or Relatives in the United Kingdom, can do so, under the provisions of the Immigration Act of 1872, by paying to the Immigration Agent in Brisbane, or to any of the Clerks of Petty Sessions in the Colony, amounts in accordance with the following scale :—

Males and Females, between 1 and 12, each	£1
Males between 12 and 40, each	2
Females between 12 and 40, each	1
Males and Females above 40	4
Infants under 12 months	Free.

### FOREIGN.

Persons resident in Queensland, wishing to obtain Passages to the Colony for their Friends or Relatives, from the Continent of Europe, can obtain Free Passage Tickets available for any Queensland immigrant ship leaving London or other British port, on application to this Office, or to any Clerk of Petty Sessions throughout the Colony.

*Applicants must clearly understand that these Tickets do not include the Passage from the Continent to the port of embarkation in Great Britain, the entire cost of which must be defrayed by the Immigrant himself.*

ROBERT GRAY, IMMIGRATION AGENT.

## WM. HOWARD SMITH & SONS'

### Regular Steam Communication

BETWEEN

BRISBANE, SYDNEY, NEWCASTLE, MELBOURNE,  
MARYBOROUGH & ROCKHAMPTON.

The firm's Steamers leave Brisbane for above Ports, when practicable, as follows :—

For SYDNEY and NEWCASTLE—Every week.

For MARYBOROUGH and ROCKHAMPTON—Every week.

For MELBOURNE from SYDNEY—Every Tuesday and Friday, and *vice versa*.

## WM. HOWARD SMITH & SONS,

Government Wharves,

FOOT OF QUEEN STREET.

# Union Bank of Australia.

ESTABLISHED 1837.

Paid-up Capital and Reserve Funds - £2,287,500.

7, BANK BUILDINGS, LOTHBURY, LONDON.

## BANKERS:

BANK OF ENGLAND, AND MESSRS. GLYN, MILLS, CURRIE, & CO.

## COLONIAL ESTABLISHMENTS:

*Inspector and General Manager:*

J. F. McMULLEN, Esq.

*Assistant Inspectors:*

F. M. INNES, Esq.

J. F. McMULLEN, JUN., Esq.

### VICTORIA.

Melbourne  
Geelong  
Portland  
Ballarat  
Egerton

Sandhurst  
Stawell  
Clunes  
Daylesford  
Rochester

Maryborough  
Smythesdale  
Alexandria  
Tarnagulla

### NEW SOUTH WALES.

Sydney

Deniliquin

Wagga Wagga

Hay

### QUEENSLAND.

Brisbane

Rockhampton

Toowoomba

### SOUTH AUSTRALIA.

Adelaide

Port Adelaide

### TASMANIA.

Hobart Town

La Trobe

Launceston

Oatlands

### WESTERN AUSTRALIA.

Perth

York

Albany

Geraldton

Freemantle

### NEW ZEALAND.

Auckland, Grahamstone (Thames Gold Fields), Napier, Port Ahuriri, Gisborne (Poverty Bay), Waipukurau, Wellington, Nelson, Hokitika (West Coast), Greymouth, Ross, Waimea, Hamilton, Christchurch, Ashburton, Ranigora, Southbridge, Littleton, Kumara, Timaru, Dunedin, Oamaru, Invercargill, Wiamata, Sefton.

## AGENTS:

The National Provincial Bank of England; The London and County Bank; The Bank of Liverpool; The Lancaster Banking Co.; The Carlisle City and District Bank, *Carlisle, &c.*; Parr's Banking Co., *Warrington, &c.*; Messrs. Beckett and Co., Messrs. William Williams, Brown, and Co., *Leeds &c.*; The Halifax and Huddersfield Union Bank; The Bradford Commercial Bank; Messrs. Garfit, Claypon, and Co., *Boston, &c.*; Moore and Robinson's Nottingham Banking Co.; Lloyd's Banking Co., The Birmingham Banking Co., *Birmingham*; The Birmingham, Dudley, and District Banking Co.; The Northamptonshire Union Bank; Messrs. Basset, Son, and Harris, *Leighton Buzzard, &c.*; Messrs. Foster and Co., *Cambridge, &c.*; Messrs. Round, Green, and Co., *Colchester*; Messrs. Grant, Gillman, and Long, *Portsmouth*; Messrs. Maddison, Atherly, and Co., *Southampton*; Messrs. Miles, Cave, Baillie, and Co., *Bristol*; The Glamorganshire Banking Co., *Swansea, &c.*; The Gloucestershire Banking Co.; The County of Gloucester Bank; The Devon and Cornwall Banking Co.; Messrs. Bolithoes, Son, and Co., *Penzance, &c.*; Messrs. J. M. Williams and Co., *Redruth, &c.*; Messrs. Dingley and Co., *Launceston, &c.* IRELAND: The Bank of Ireland, The Royal Bank of Ireland, *Dublin*; The Northern Banking Company. SCOTLAND: The National Bank of Scotland, The Commercial Bank of Scotland, The Union Bank of Scotland, The Clydesdale Bank, The Aberdeen Town and Country Bank, The North of Scotland Banking Company. The Bank of British North America; The Chartered Mercantile Bank of India, London, and China; The Chartered Bank of India, Australia, and China; The Mauritius Commercial Bank; The Hong Kong and Shanghai Banking Corporation; The Standard Bank of British South Africa; The New London and Brazilian Bank; The London and River Plate Bank; The London and San Francisco Bank; Messrs. Hellman Brothers and Co., *San Francisco*; Messrs. Frederick Huth, Gruning, and Co., *Valparaiso*; The Bank of Rotterdam, *Rotterdam*.

The Bank grants Letters of Credit on demand, or Bills, at three or thirty days' sight, upon its Branches, at the customary rates, on the money being deposited. Similar Letters of Credit may be procured from its Agents in all the principal towns throughout England, Scotland, and Ireland. The Bank also negotiates, and sends for collection, Bills on the Colonies, the terms for which may be obtained on application at its London office. At its Branches in the Colonies it undertakes all descriptions of Banking and Exchange business.

Circular Notes are issued by its branches, in sums of £10, £20, or £50, negotiable by its correspondents in the chief cities on the Continent of Europe, in North and South America, Ceylon, Mauritius, India, China, Japan, and Africa.

Share Registers are kept at *Melbourne, Sydney, Brisbane, Adelaide, Hobartown, and Launceston*, and *Christchurch*, New Zealand, to any of which English and Colonial Shares can be transferred—the Bank affording every facility to its Proprietors for this purpose. Dividends are paid upon receipt of *Telegraphic* advice.

**A. THOMSON, Manager.**

*Brisbane, 14th November, 1879.*



# Commercial Banking Company OF SYDNEY.

*Established, 1834.*

*Incorporated by Act of Council, 1848.*

**CAPITAL** - - - - - £500,000.

**RESERVE FUND** - - - - - 525,000.

**Head Office: George Street, Sydney.**

*Directors :*

RICHARD JONES, Esq., Chairman  
W. LAMB, Esq., Deputy Chairman  
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